

Genotropin

Pharmaceutical company Pfizer manufactures Genotropin, one of the most popular brands of human growth hormone therapy. Adults who require HGH have many options for treatment. Genotropin is widely requested because of the added convenience its injectable options provide.

Genotropin provides the same molecular structure as somatotropin (growth hormone, GH), the pituitary hormone necessary for so many of the body's functions. It is made up of 191 amino acids sequenced in a single chain, polypeptide protein. The body recognizes Genotropin HGH as the same structure as real somatotropin, putting it to immediate use as it would growth hormone.

Due to its large molecular structure, HGH cannot pass through the skin, oral or nasal membranes, or survive the body's digestive enzymes. For those reasons, you can only get Genotropin injections and not find real HGH in any form other than a shot.

What Does Genotropin Do for Adults?

Genotropin HGH influences many of the functions we take for granted, such as immunity, cell reproduction, metabolism, sexual desire, thought and memory, and even regulating how we respond to temperature changes.

No person expects his or her body to remain static throughout life. With age comes certain changes – some good, others bad. For example, as you get older, you gather more of life's experiences. You make mistakes along the way, learning from your errors. It is this type of knowledge that propels you forward in life. We want you to use this habit of learning to see why buying Genotropin for adults with GH deficiency is vital to your well-being.

Somatotropin production in the pituitary gland begins to slow down by the time most people leave their twenties. The process is gradual, so you will likely have no idea of its occurrence. However, after ten to twenty years of this decline, you may start to notice some changes taking place. In other words, you will see some of the symptoms of growth hormone deficiency.

To show you the importance of HGH therapy for adults, we will highlight many of the Genotropin benefits below:

- Deeper sleep
- More energy
- Longer-lasting stamina
- Improved metabolic function
- Loss of excess fat
- Increased cellular regeneration
- Better muscle mass and tone
- More strength
- Thicker, fuller, shinier hair
- Possible return of original hair color
- Improved bone density
- Fewer aches and pains
- Better flexibility
- Less stiffness
- Increased collagen and elastin production
- Reduced appearance of wrinkles, cellulite, sagging skin, and age spots

- Tighter, thicker skin and a more youthful appearance
- Increased internal organ size and improved functions
- Sharper memory
- Enhanced cognitive skills
- Better focus and concentration
- Reduced feelings of depression
- Brighter mood
- More positive outlook
- Improved quality of life
- Sharper night vision and eyesight
- Stronger nails and less chipping and breakage
- Enhanced sexual desire
- Quicker arousal
- More powerful orgasms
- Better acceptance of changes in temperature
- Improved immunity
- Faster recovery time
- Lower cholesterol and blood pressure levels
- Better cardiac functions and exercise capacity
- Improved glucose uptake by the tissues

With benefits like these, it is no wonder that more adults than ever before are seeking growth hormone deficiency testing.

Prescription Information

What many people do not realize is that the balancing of hormone levels is complex therapy. Every hormone in the body has what is considered its natural or normal range. Any time the production of that hormone is too high or too low, problems can ensue. Since most hormones tend to influence the production and release of other such chemicals, an imbalance can have a spiraling effect throughout the body.

The goal of hormone replacement therapy (HRT) is to bring high or low hormone levels back into proper balance. With Genotropin therapy, adults who are growth hormone deficient receive an increased supply of HGH via a once-daily injection.

Your prescription for Genotropin HGH injections will provide the personalized dosage that your body requires for homeostasis (balance). That is how you get the best possible result with the least risk of unwanted side effects.

What Is a Genotropin Pen?

We mentioned that many adults turn to Genotropin HGH for its convenience. What makes Genotropin stand apart from many of the other brands of human growth hormones?

- First, the Genotropin MiniQuick is the only take-along, single-dose syringe of its kind. Available in 10 different strengths, the Genotropin MiniQuick is a unique two-chamber syringe that houses the HGH powder and diluent in separate chambers. You do not mix the medication until you are ready to inject your HGH. The MiniQuick is stable at room temperature for up to 3 months, making it ideal to take on the go when you travel.

- Next, the Genotropin Pens come in two sizes – 5 mg and 12 mg. As with the MiniQuick, the pen systems also feature unique two-chamber cartridges. There is no need to measure separate diluting solution as the HGH medication mixes upon insertion of the replaceable cartridge into the pen. Unlike the MiniQuick, the Genotropin Pen 5 and 12 mg systems require refrigeration. Each pen will last for two years, with cartridges replaced monthly or when empty – whichever comes first.

How Do I Get Genotropin HGH Injections?

To get Genotropin for sale, you must first receive a diagnosis of growth hormone deficiency. You will want to contact a doctor specializing in the medical field of HRT – hormone replacement therapy. An HRT physician has the necessary experience to diagnose and treat hormonal imbalances without risking adverse impact on other hormone levels.

For the lowest possible Genotropin cost, we recommend contacting our national hormone clinic to avoid the high fees you find with many medical specialists. Instead, we provide confidential telephone consultations at no charge so that you can discuss your situation and learn about your options.

After your consultation, you will complete the following steps:

- Physical examination
- Blood analysis
- Health questionnaire

Our experienced and caring medical advisors guide you through the process every step of the way. If our doctor then prescribes Genotropin, you can count on receiving the personalized dosage of HGH right for your body.

Contact us today to learn more during your complimentary consultation.

Please see the chart below for a side-by-side comparison of Genotropin with other top formulations of somatropin available on the US market.

	Omnitrope	Norditropin	Genotropin	Humatrope	Sermorelin
Vial	+	-	-	+	+
Pen	-	+	+	+	-
Replaceable Cartridges	-	-	+	+	-
Refrigeration	+	+		+	+
Other devices	-	-	+	-	-
Insulin syringes	+	-	-	-	-
Pre-mixed	-	+	-	-	-
All-in-one Unit	-	+	+	+	-
Prescription	+	+	+	+	+
US-manufacturer	+	+	+	+	+

Genotropin comes standard in "injection pen" form with no option for the more conventional vial and syringe method. Genotropin injection pens are highly rated for usability, portability, and cost-savings. Please see later section for more detailed information on the benefits of Genotropin injection pens.

The Genotropin pens for sale also come with replaceable cartridges, which many therapy patients find convenient and practical. When you purchase a Genotropin injection pen, it comes with all the materials that you need to safely and effectively self-administer your somatropin injections.

To legally obtain Genotropin, you must present a written prescription from a licensed US medical provider. Genotropin cannot be purchased over the counter or on the internet without a prescription. Penalties include potential fines and/or jail time.

The Benefits of Genotropin Injection Pens

Pfizer's Genotropin injection pens offer therapy patients a number of benefits over the vial and syringe injection method of yesteryear. The biggest advantages of Genotropin injection pens over somatropin vials are:

- Ease of use. Genotropin pens come standard with everything you need to get started. The instructions are easy to understand and straightforward.
- Pain-free injections. Genotropin pens rely on an injection technique that results in a totally pain-free experience – ideal for patients who have phobias about needles.
- Cost savings. While injection pens may cost a bit more upfront than a vial and syringe for HGH injections, they save significant amounts of money over time. In fact, Genotropin injection pens can reduce your waste of precious HGH from 23% on average in the vial and syringe method to 0%.

Portability. Genotropin pens can be easily fit inside almost any carrying device – even small purses. This feature is perfect for frequent travelers, commuters, and others who stay on the move throughout the day. With Genotropin injection pens, you can take your therapy with you wherever you go.

Genotropin Instructions

Genotropin HGH is a brand of human growth hormone injections manufactured by Pfizer. It is used to treat growth hormone deficiency (GHD) in children and adults. In this report, we focus on the use of Genotropin for the treatment of adult GHD, including Genotropin instructions for use.

In addition to providing complete instruction for the subcutaneous injections of Genotropin, we also offer online video links to watch the preparation and administration of the HGH treatments. Our medical advisors are also available to guide you through the process over the phone when administering your first HGH injection.

Why should I choose Genotropin HGH over other brands of human growth hormones?

Here at HGH Doctor, we recommend many high-quality brands of HGH therapy, including Genotropin, Norditropin, Humatrope, Saizen, Omnitrope, and Zomacton. The primary factors for selecting one brand over the others is the price and the style of injectable. Many people like the convenience of the Genotropin MiniQuick prefilled syringes – especially if they like to travel. More on that in the next section.

**Genotropin instructions for the pens, Mixer, and MiniQuick syringes are provided in this review.*

Description

Genotropin comes as a lyophilized white powder containing the same 191 amino acid molecular structure as pituitary growth hormone. It is produced using recombinant DNA technology and requires reconstitution before use.

Genotropin instructions vary slightly depending on the injector style selected for use.

Genotropin comes in either 5 mg or 12 mg injector pens. The pens and cartridges are color-coded to allow for proper use. Do not use the 5 mg cartridge in the 12 mg pen systems or vice versa. Genotropin cartridges can also be used with the Genotropin Mixer and standard insulin syringes. The medication reconstitutes once inside either the pen systems or the Mixer.

You can also select the Genotropin MiniQuick – a prefilled, disposable, single-use syringe available in 10 different strengths. The MiniQuick is an excellent option for travelers as it is stable at room temperature for up to 3 months.

Both the injector pen cartridges and MiniQuick syringes contain two chambers, one housing the lyophilized HGH powder and the other the diluent. The HGH medication mixes inside the units before use.

**Genotropin instructions vary depending on the injector style selected for use.*

Instructions

It is imperative to follow the Genotropin instructions below to reduce the risk of side effects and provide the best possible results. Please familiarize yourself with the information outlined below before proceeding with your first injection.

Genotropin is safe when used as prescribed by a hormone specialist following blood testing and physical examination. Do not use Genotropin HGH if it has not been prescribed to you. Do not share any HGH medications with another person. Please contact HGH Doctor hormone clinic with any questions you have about using Genotropin injections.

Do not change your dosage or injection frequency without doctor authorization. Always remember to wash your hands with soap and water before preparing and injecting Genotropin HGH. Check your medication before each use for the expiration date and to ensure that there are no particles, crystals, or changes to the color of the HGH solution (including cloudy appearance). Do not use the prepared Genotropin if any of these issues are present.

Please read the information below before getting started:

Indications

Genotropin is indicated for use by adults with either adult or childhood-onset of growth hormone deficiency as indicated by examination and blood test confirmation. Symptoms of GHD in adults include:

- Muscle loss
- Fatigue
- Insomnia
- Weight gain
- Bone loss (joint pains/height shrinkage)
- Low libido/sexual decline
- Poor immune functions
- Slow healing
- Depression/mood changes/stress/anxiety
- Forgetfulness/poor focus/impaired brain functions
- Wrinkles/sagging skin
- Hair thinning/balding
- Temperature sensitivity

Contraindications

Genotropin is contraindicated in the following situations:

- Active malignancy (cancer or tumor) until cleared by the oncologist
- Acute critical illness resulting from complications due to open-heart or abdominal surgery, multiple accidental trauma, or acute respiratory failure
- Diabetic retinopathy (severe non-proliferative or active proliferative)
- Allergy to ingredients in Genotropin, including somatotropin, m-cresol, glycine, mannitol, sodium dihydrogen phosphate anhydrous, disodium phosphate anhydrous

Dosage

Your doctor will prescribe your dosage of Genotropin based on need as determined by blood analysis, physical examination, body composition, health, gender, and age.

Storage

Genotropin 5 and 12 mg cartridges require continual refrigeration and may be used for up to 28 days upon reconstitution. Do not freeze or expose Genotropin to heat.

The Genotropin MiniQuick syringes may be stored at room temperature for up to 3 months. Upon mixing, the solution must be used immediately or may be refrigerated for up to 24 hours before use.

Use

The following Genotropin instructions are for the MiniQuick single-dose, disposable syringes:

- Remove a prefilled, two-chamber syringe from its package and wipe the rubber stopper with a new alcohol pad
- Peel the paper seal off the back of a new injection needle and attach it to the MiniQuick by pushing down and turning the needle all the way clockwise (to the right) – the needle must be squarely and securely in place
- Position the syringe with the needle pointing up (still capped) and turn the plunger rod to the right (clockwise) all the way to mix the solution
- Wait until the mixture is completely free of particles before proceeding with the shot – do not shake the HGH solution

- Wipe the injection site on your abdomen (one inch from the belly button) with a fresh alcohol swab and let air dry
- Remove the outer and inner needle cover, discarding the inner but retaining the outer cover to recap the needle after use
- Pinch a small fold of prepared skin and insert the needle fully into it at a 90-degree angle
- Push the plunger rod all the way in and wait a few seconds to allow all the medication to exit the syringe and enter the body
- Remove the needle, replace the cover, and discard the unit in the Sharps container

The following instructions are for the Genotropin Pen cartridges:

- Always verify that you are using the compatible HGH cartridges for your pen – the colors will match up
- Follow the instructions for attaching the needle and inserting the cartridge into the pen as provided in your medication kit
- When using a new cartridge for the first time, you will first attach the needle before inserting the cartridge
- For subsequent injections with the inserted cartridge, you will only need to attach a new needle for each use
- The dosage button of the Genotropin Pens can turn in either direction, making it easy to go back if you pass your prescribed dose
- Prepare the injection site by cleaning the area of skin with an alcohol pad and letting air dry
- Remove the outer and inner needle covers, setting aside the outer cover for later use (discard the inner cover)
- Pinch a small area of prepared skin and insert the needle at a 90-degree angle then press in the injection button until it clicks, keeping the needle in the skin for five seconds before removing to ensure the entire dose enters the body
- Remove the needle, replace the outer cap, and discard the needle in the Sharps container
- Replace the pen cap and return the pen with the inserted cartridge to the refrigerator for storage

Drug Interactions

Use of the following drugs may require additional monitoring as the dosage of the medications may require adjustments:

- Oral estrogen
- Insulin
- Glucocorticoids
- Cytochrome P450-Metabolized drugs
- 11 β -hydroxysteroid dehydrogenase type 1

Warnings

Aside from the contraindications listed above, please let the doctor know if any of the following apply:

- Diabetes
- Pregnancy, breastfeeding or looking to become pregnant

The following issues could arise while on HGH therapy (rare):

- Fluid retention

- High blood sugar/impaired glucose tolerance
- Intracranial hypertension
- Hypopituitarism
- Hypothyroidism
- Carpal tunnel syndrome

Please contact your doctor if you experience any of the following:

- Allergic reactions such as hives, rash, swelling of the throat or face (lips, tongue, eyes), difficulty breathing
- Nausea or vomiting
- Pale skin
- Wheezing
- Headache
- Nerve, muscle, or joint pain
- High blood sugar
- Carpal tunnel syndrome

You may notice some irritation, redness, pain, or itching at the injection site, especially in the early stages of treatment, as you get used to administering the shots. There is no need for concern unless the symptoms do not go away or worsen.

If you have any questions about HGH therapy or the Genotropin instructions, please contact HGH Doctor as we are here to help.

For further information, please contact our hormone clinic for a free consultation at [our web site](#). Or by phone: +1 786-634-1199. Our address: 1150 NW 14th St #1317, Miami, FL 33136.