

SOMATROPIN

BRAND NAME	GENOTROPIN, HUMATROPE, NORDITROPIN, NUTROPIN AQ, OMNITROPE, SAIZEN SCITROPIN A
DRUG CLASS	Synthetic human growth hormone
AVAILABILITY	<p>Genotropin, Genotropin GoQuick cartridge or prefilled pen contains 5 mg, 5.3 mg or 12 mg of somatropin. Also contains glycine, mannitol, monobasic sodium phosphate, dibasic sodium phosphate and metacresol. Diluent contains 1 mL of water for injections.¹</p> <p>Genotropin MiniQuick cartridge contains 0.4 mg, 0.6 mg, 0.8 mg, 1 mg, 1.2 mg, 1.4 mg, 1.6 mg, 1.8 mg or 2 mg of somatropin. Also contains glycine, mannitol, monobasic sodium phosphate and dibasic sodium phosphate.¹ Diluent contains 0.25 mL of water for injections.¹</p> <p>Humatrope cartridge contains 6 mg, 12 mg or 24 mg of somatropin. Also contains glycine, mannitol, dibasic sodium phosphate and phosphoric acid and/or sodium hydroxide. Diluent contains metacresol, glycerol and water for injections to 3.15 mL or 3.17 mL.¹</p> <p>Norditropin FlexPro and SimpleXx cartridge or prefilled syringe contains 5 mg/1.5 mL, 10 mg/1.5 mL or 15 mg/1.5 mL of somatropin. Also contains mannitol, histidine, poloxamer and phenol.¹</p> <p>Nutropin AQ cartridge contains 10 mg/2 mL (30 international units) of somatropin. Also contains sodium chloride, phenol, polysorbate-20, sodium citrate and citric acid.¹</p> <p>Omnitrope cartridge contains 5 mg/1.5 mL, 10 mg/1.5 mL or 15 mg/1.5 mL of somatropin. Also contains monobasic sodium phosphate, dibasic sodium phosphate, poloxamer, phosphoric acid and sodium hydroxide. 5 mg/1.5 mL also contains mannitol and benzyl alcohol. 10 mg/1.5 mL and 15 mg/1.5 mL also contain glycine and phenol.¹</p> <p>Saizen cartridge contains 6 mg/1.03 mL, 12 mg/1.5 mL or 20 mg/2.5 mL of somatropin. Also contains sucrose, poloxamer and phenol.¹</p> <p>SciTropin A cartridge contains 5 mg/1.5 mL or 10 mg/1.5 mL of somatropin. Also contains dibasic sodium phosphate, monobasic sodium phosphate, poloxamer, phosphoric acid and sodium hydroxide. 5 mg/1.5 mL also contains mannitol and benzyl alcohol. 10 mg/1.5 mL also contains phenol and glycine.¹</p>
WARNING	Dose equivalence is not conferred within or between brands. Do not substitute products. ²
pH	6–7.5 when reconstituted ¹
PREPARATION	Reconstitute, where indicated, with the diluent supplied using a gentle swirling motion. Do not shake. ¹ The solution is clear and colourless. ¹ Refer to the Product Information for individual products.
STABILITY	Store at 2 to 8 °C. Do not freeze. Protect from light. ^{1,2} Genotropin and Genotropin GoQuick are stable for up to one month below 25 °C before reconstitution. The reconstituted solution is stable for 28 days at 2 to 8 °C. ¹ Genotropin MiniQuick is stable for up to 6 months below 25 °C before reconstitution. The reconstituted solution is stable for up to 24 hours at 2 to 8 °C. ¹ Humatrope reconstituted solution is stable for 28 days at 2 to 8 °C and for up to 30 minutes each day at room temperature. ¹ Norditropin device when in use is stable for 28 days at 2 to 8 °C or for 21 days below 25 °C. ¹ Nutropin AQ device when in use is stable for 28 days at 2 to 8 °C and for up to 1 hour each day at room temperature. ¹ Omnitrope solutions are stable for 28 days at 2 to 8 °C after first use. ¹

Saizen device when in use is stable for 28 days at 2 to 8 °C of which up to 7 days can be below 25 °C.²

SciTropin A 5 mg/1.5 mL solution is stable for 21 days and the 10 mg/1.5 mL solution is stable for 28 days at 2 to 8 °C after first use.¹

ADMINISTRATION

IM injection	Suitable, but subcutaneous route preferred as it is less painful. ¹
SUBCUT injection	Suitable. Rotate the site of injection to prevent lipoatrophy. ¹ Some products are suitable for self-administration after appropriate patient education. ¹
IV injection	No information
IV infusion	No information

COMPATIBILITY Not applicable

INCOMPATIBILITY No information

SPECIAL NOTES Give the dose in the evening to mimic the body's natural pattern of hormone secretion.²
1 mg somatropin is equivalent to 3 international units.¹
Norditropin cartridge contains a rubber plunger and a rubber closure and should not be handled by persons who have an allergy to latex.¹

REFERENCES

1. Product information. Available from www.tga.gov.au. Accessed 26/05/2022.
2. Consumer medicine information. Available from www.tga.gov.au. Accessed 26/05/2022.