

Human Growth Hormone Placental 20 kDa

Synonyms: GHL, GHV, GH-V, hGH-V, PGH.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
10 µg	1447.950.010		
50 µg	1447.950.050		
1 mg	1447.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Growth Hormone Placental 20kDa Human Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 177 amino acids and having a molecular mass of 20498 Dalton. Predicted pI=8.20. Growth Hormone 20K placental is devoid of lactogenic (prolactin receptor mediated) activity characteristic to pituitary GHs.

- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE, SEC-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** pGH 20kDa was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO₃ previously adjusted pH 11*
- **Physical state** Sterile filtered, lyophilized

Reconstitution

It is recommended to reconstitute the lyophilized Placental Growth Hormone in 0.4% NaHCO₃ or water adjusted to pH 11, not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized Growth Hormone 20K Placental although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution and filter sterilization GH 20K pI can be stored at 4°C for up to 4 weeks. For long term storage and more diluted solutions it is recommended to add a carrier protein (0.1% HSA or BSA).

Please avoid repeated freeze-thaw cycles.

Amino Acid Sequence

AFPTIPLSRL FDNAMLRARR LYQLAYDTYQ EFNPTSLCF SESIPTPSNR VKTQOKSNLE LLRISLLLIQ
 SWLEPVQLLR SVFANSLVYG ASDSNVYRHL KDLEEGIQTL MWRLEDGSPR TGQIFNQSYS KFDTKSHNDD
 ALLKNYGLLY CFRKDMDKVE TFLRIVQCRS VEGSCGF

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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