

Placental Growth Hormone Recombinant Protein | pGH recombinant protein

Recombinant Human Placental Growth Hormone 20K

CATALOG # AAA38165	HOST E Coli
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PRODUCT SYNONYMS

Placental Growth Hormone; Recombinant Human Placental Growth Hormone 20K; pGH 20K Human; Growth Hormone Placental 20K Human Recombinant; GHL; GHV; GH-V; hGH-V; PGH; pGH 20K; pGH recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 98.0% as determined by: (a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	pGH 20K was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO ₃ previously adjusted pH 11. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	AFPTIPLSRL FDNAMLRARR LYQLAYDTYQ EFNPQTSLCF SESIPTPSNR VKTQQKSNLE LLRISLLIQ SWLEPVQLLR SVFANSLVYG ASDSNVYRHL KDLEEGIQTL MWRLEDGSPR TGQIFNQSYS KFDTKSHNDD ALLKNYGLLY CFRKDMDKVE TFLRIVQCRS VEGSCGF
Sequence Length	217
Solubility	It is recommended to reconstitute the lyophilized Placental Growth Hormone in 0.4% NaHCO ₃ or water adjusted to pH 11, not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	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 pl 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 prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for pGH recombinant protein	Description: Growth Hormone Placental 20K 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. GH 20K placental is purified by proprietary chromatographic techniques.
Product Categories/Family for pGH recombinant protein	Cytokines and Growth Factors; Growth Factors; Growth Hormone

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503991
NCBI GeneID	2689
NCBI Accession #	NP_002050.1
NCBI GenBank Nucleotide #	NM_002059.4
UniProt Accession #	O14643 ; O14644 ; P09587 ; B1A4H5 ; B1A4H7 ; P01242
NCBI Official Full Name	growth hormone variant isoform 1

NCBI Official Synonym Full Names	growth hormone 2
NCBI Official Symbol	GH2
NCBI Official Synonym Symbols	GHL; GHV; GH-V; hGH-V
NCBI Protein Information	growth hormone variant; placenta-specific growth hormone; placental-specific growth hormone
UniProt Protein Name	Growth hormone variant
UniProt Gene Name	GH2
UniProt Synonym Gene Names	GH-V
UniProt Entry Name	SOM2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/gh2-recombinant-protein-e-coli/38165>