

Growth Hormone Active Protein | GH active protein

Recombinant Human Growth Hormone

CATALOG #
AAA38106

HOST
E Coli

PRODUCT SYNONYMS

Growth Hormone; Recombinant Human Growth Hormone; GH Human; Growth Hormone Human Recombinant; GH1; GH; GHN; GH-N; hGH-N; Pituitary growth hormone; Growth hormone 1; Somatotropin; GH active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 96.0% as determined by SDS-PAGE.
Form/Format	GH protein lyophilized from a 0.2µm filtered concentrated solution containing mannitol and glycine.
Sequence	FPTIPLSRLF DNAMLRAHRL HQLAFDTYQE FEEAYIPKEQ KYSFLQNPQT SLCFSES IPT PSNREETQQK SNLELLRISL LLIQSWLEPV QFLRSVFANS LYGASDSNV YDLLKDLEEG IQLTMGRLED GSPRTGQIFK QTYSKFD TNS HNDDALLKNY GLLYCFRKDM DKVETFLRIV QCRSVEGSCG F
Sequence Length	217
Physical Appearance	Sterile filtered White lyophilized (freeze-dried) powder
Solubility	It is recommended to reconstitute the lyophilized HGH in sterile 18M Omega-cm H ₂ O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ was determined by the proliferation assay of rat lymphoma NB2-11 cells and was found to be less than 0.1ng/ml
Preparation and Storage	Lyophilized GH although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution HGH should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GH active protein	Description: GH Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 191 amino acids and having a molecular mass of 22kDa. Growth Hormone is purified by proprietary chromatographic techniques.
Product Categories/Family for GH active protein	Cytokines and Growth Factors; Growth Factors; Growth Hormone

NCBI AND UNIPROT INFORMATION

NCBI GI #	13027812
NCBI GeneID	2688
NCBI Accession #	NP_000506.2
NCBI GenBank Nucleotide #	NM_000515.4
UniProt Accession #	P01241; Q14405; Q16631; Q5EB53; Q9HBZ1; Q9UMJ7; Q9UNL5; A6NEF6
NCBI Official Full Name	somatotropin isoform 1

NCBI Official Synonym Full Names	growth hormone 1
NCBI Official Symbol	GH1
NCBI Official Synonym Symbols	GH; GHN; GH-N; hGH-N; IGHD1B
NCBI Protein Information	somatotropin; pituitary growth hormone
UniProt Protein Name	Somatotropin
UniProt Gene Name	GH1
UniProt Synonym Gene Names	GH; GH-N
UniProt Entry Name	SOMA_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/e-coli-gh-active-protein/growth-hormone/38106>