

Growth Hormone Active Protein | mGH active protein

Recombinant Mouse Growth Hormone

CATALOG #
AAA38556

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Mouse Growth Hormone Recombinant contains 50mM Tris-HCl, pH8.0, 150mM NaCl buffer.
Sequence	Thesequenc eofthefirs ftiveN-ter minalamino acidswasde terminedan dwasfoundt obeMet-Phe -Pro-Ala-M et
Sequence Length	216
Source	E Coli
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	It is recommended to reconstitute the lyophilized Growth Hormone murine in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Recombinant Mouse Growth Hormone is fully biologically active when compared to standard Human Growth Hormone which is 3 units/mg.
Preparation and Storage	Lyophilized Growth Hormone mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18° C. Upon reconstitution GH mouse 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 mGH active protein	Description: Growth Hormone Mouse Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 191 amino acids and having a molecular mass of 22 kDa. Mouse GH is purified by proprietary chromatographic techniques. Introduction: GH is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature.
Product Categories/Family for mGH active protein	Cytokines and Growth Factors ; Growth Factors ; Growth Hormone

NCBI AND UNIPROT INFORMATION

NCBI GI #	6679997
NCBI GeneID	14599
NCBI Accession #	NP_032143.1
NCBI GenBank Nucleotide #	NM_008117.3
UniProt Accession #	P06880; Q544X1
NCBI Official Full Name	somatotropin
NCBI Official Synonym Full Names	growth hormone
NCBI Official Symbol	Gh
NCBI Official Synonym Symbols	Gh1
NCBI Protein Information	somatotropin
UniProt Protein Name	Somatotropin
UniProt Gene Name	Gh1
UniProt Synonym Gene Names	Gh
UniProt Entry Name	SOMA_MOUSE

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://stage.aaabiotech.com/mgh-active-protein/growth-hormone/38556>