

Growth Hormone Recombinant Protein | rGH recombinant protein

Recombinant Rat Growth Hormone

CATALOG #
AAA38147

HOST
E Coli

PRODUCT SYNONYMS

Growth Hormone; Recombinant Rat Growth Hormone; GH Rat; Growth Hormone Rat Recombinant; GH1; GH; GHN; GH-N; hGH-N; Pituitary growth hormone; Growth hormone 1; Somatotropin; rGH recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 97.0% as determined by: (a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The protein (1mg/ml) was lyophilized after extensive dialyses against 5mM phosphate buffer, 5mg mannitol and 1mg glycine. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence Length	216
Solubility	It is recommended to reconstitute the lyophilized Growth Hormone Rat in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized Growth Hormone Rat although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution GH Rat should be stored at 4 degree C between 2-7 days and for future use below -18 degree 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 rGH recombinant protein	Description: Growth Hormone Rat Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 190 amino acids and having a molecular mass of 21810 Dalton. 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 rGH recombinant protein	Cytokines and Growth Factors; Growth Factors; Growth Hormone

NCBI AND UNIPROT INFORMATION

NCBI GI #	291463289
NCBI GeneID	24391
NCBI Accession #	NP_001030020.2
NCBI GenBank Nucleotide #	NM_001034848.2

UniProt Accession #	P01244
Molecular Weight	24,656 Da
NCBI Official Full Name	somatotropin
NCBI Official Synonym Full Names	growth hormone 1
NCBI Official Symbol	Gh1
NCBI Official Synonym Symbols	Gh; RNGHGP
NCBI Protein Information	somatotropin
UniProt Protein Name	Somatotropin
UniProt Gene Name	Gh1
UniProt Synonym Gene Names	Gh
UniProt Entry Name	SOMA_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/gh1-recombinant-protein-e-coli/38147>