

Growth Hormone Recombinant Protein

Human Growth Hormone (pure)

CATALOG #
AAA75333

HOST
Human

PRODUCT SYNONYMS

Growth Hormone; Human Growth Hormone (pure); hGH protein; Growth Hormone recombinant protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 98% pure
Form/Format	Lyophilized from 1 mg/ml stock in PBS with 8 mgs mannitol with no additives. Reconstitute with deionized water to at elast 100 ug/ml.
Sequence Length	192
Protein Type	Recombinant
Biological Significance	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.
Endotoxin Levels	Endotoxin < 1EU/ ug
Expression System	E Coli
Preparation and Storage	Store at 4 degree C until reconstitution. Following reconstitution aliquot and freeze at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Growth Hormone recombinant protein	Purified recombinant Human Human Growth Hormone (pure)
Product Categories/Family for Growth Hormone recombinant protein	Hormones & Steroids

NCBI AND UNIPROT INFORMATION

NCBI GI #	208528
Molecular Weight	22260.01 Da
NCBI Official Full Name	human growth hormone

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.

