

Recombinant Human Growth Hormone

Cat. No. GH1-76H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human growth hormone (rhGH) was expressed in E.coli. The molecular weight of this protein is 22.1 kDa (191 aa).
Species	Human
Source	E.coli
Description	Human growth hormone (hGH, somatotropin), a protein hormone from the anterior lobe of the pituitary gland, comprises a single polypeptide chain of 191 amino acid residues. The growth hormone amino acid sequence varies considerably between species, and non-primate growth hormones have little activity in man. Its main function is the stimulation of somatic and bone growth, as well as an increase in the size and mass of organs and tissues.
Formulation	Lyophilized powder
Purity	> 99.5% by SDS -PAGE
Specific activity	>2.8IU/mg
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

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Gene Name	GH1 growth hormone 1 [Homo sapiens]
Synonyms	GH; GH-N; GHN; hGH-N; Growth hormone; Pituitary growth hormone; growth hormone 1;GH1; IGHD1B; Somatotropin; hGH
Gene ID	2688
mRNA Refseq	NM_000515
Protein Refseq	NP_000506
MIM	139250
UniProt ID	P01241
Chromosome Location	17q24.2
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Neuroactive ligand-receptor interaction
Function	growth factor activity; growth hormone activity; growth hormone receptor binding; prolactin receptor binding; protein binding

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