

Recombinant Human Growth Hormone 2

Cat. No. GH2-348H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant 20KDa human growth hormone was purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Species	Human
Source	Human
Description	The 20 kDa variant form of human growth hormone (20 kDa hGH) presents in extracts from pituitary glands and it differs from the major form of hGH (22kDa, 191 amino acids) by the deletion of amino acid residues 32-46. The physiological role of 20K hGH remains to be determined partly but the main function is regarded as stimulation of somatic and bone growth, as well as an increase in the size and mass of organs and tissues.
Concentration	1 mg/ml
Form	Supplied as a liquid in 88mM mannitol, 5mM phosphate, pH 7.4.
Purity	> 95% by SDS - PAGE
Sequence	MFPTIPLSRL FDNAMLRAHR LHQLAFDTYQ EFNPTSLCF SESIPTPSNR EETQQKSNLE LLRISLLLIQ SWLEPVQFLR SVFANSLVYG ASDSNVYDLL KDLEEGIQTL MGRLEDGSPR TGQIFKQTYS KFDNNSHNDD ALLKNYGLLY CFRKDMDKVE TFLRIVQCRS VEGSCGF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	20 kDa (177 aa), confirmed by MALDI-TOF.
Applications	SDS-PAGE
Storage	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or - 70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	GH2 growth hormone 2 [Homo sapiens]
Official Symbol	GH2
Synonyms	GH2; growth hormone 2; GHL; GHV; GH-V; hGH-V; placenta-specific growth hormone; placental-specific growth hormone; Placenta-specific growth hormone
Gene ID	2689
mRNA Refseq	NM_002059
Protein Refseq	NP_002050
MIM	139240
UniProt ID	P01242
Chromosome Location	17q24.2
Pathway	Cytokine-cytokine receptor interaction; Neuroactive ligand-receptor interaction; Jak-STAT signaling pathway

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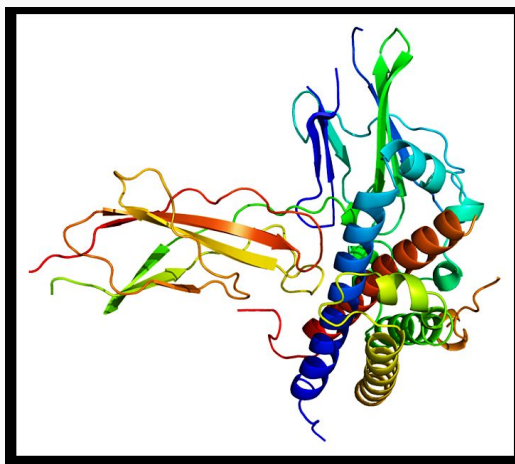
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Function

hormone activity

PDB rendering
based on 1a22.



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