

Product information

20 kDa Growth hormone, 27-202 aa

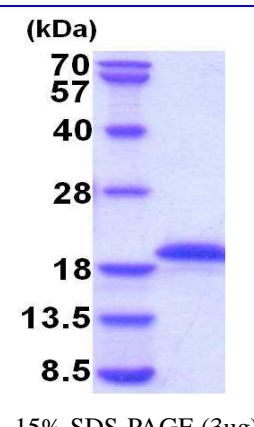
Human, Recombinant, *E.coli*

Cat. No. IBGRH3002

Synonyms: 20 kDa hGH

NCBI Accession No.: NP_000506

Description: The 20KDa variant form of human growth hormone (20KDa hGH) presents in extracts from pituitary glands and it differs from the major form of hGH (22K, 191 amino acid) by the deletion of amino acid residues 32-46. The physiological role of 20K hGH remains to be determined partly but it regards the main function as stimulation of somatic and bone growth, as well as an increase in the size and mass of organs and tissues. Recombinant 20KDa human growth hormone was purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

<p>Form: Liquid. In Phosphate Buffer Saline (pH7.4) containing 10% glycerol,</p> <p>Molecular Weight: 20 kDa (177 aa), confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by BCA assay)</p>	 <p>(kDa)</p> <p>70</p> <p>57</p> <p>40</p> <p>28</p> <p>18</p> <p>13.5</p> <p>8.5</p> <p>15% SDS-PAGE (3ug)</p>
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Sequences of amino acids:

MFPTIPLSRL FDNAMLRAHR LHQLAFDTYQ EFNPTSLCF SESIPTPSNR EETQKSNLE LLRISLLLIQ SWLEPVQFLR SVFANSLVYG
ASDSNVYDLL KDLLEGIQTL MGRLEDGSPR TGQIFKQTYG KFDNSHND ALLKNYGLLY CFRKDMKVE TFLRIVQCRS VEGSCGF

General references:

Frigeri, *et al* (1979) *Biochem Biophys Res Commun.* 14; 778-82
 Adelman, *et al* (1983) *DNA.* 2; 183-93
 Tsushima, *et al* (2000) *Endocr J.* 47; S17-21
 Horan, M., *et al* (2003) *Hum. Mutat.* 21(4), 408-423

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.