

Recombinant Human GH2 Protein, GST-tagged

Cat. No. GH2-4884H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GH2 full-length ORF (AAH20760.1, 27 a.a. - 217 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene 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. As in the case of its pituitary counterpart, growth hormone 1, the predominant isoform of this particular family member shows similar somatogenic activity, with reduced lactogenic activity. Mutations in this gene lead to placental growth hormone/lactogen deficiency. [provided by RefSeq
Molecular Mass	46.75 kDa
AA Sequence	FPTIPLSRLFDNAMLRRRLYQLAYDTYQEFEEAYILKEQKYSFLQNPQTSLCFSESI PTPSNRVKTQQKSNLELLRISLLLIQSWLEPVQLLRSVFANSLVYGASDSNVYRHLKD LEEGIQTLMWRLLEDGSPRTGQIFNQSYSKFDTKSHNDDALLKNYGLLYCFRKDMDK

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VETFLRIVQCRSVEGSCGF

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GH2 growth hormone 2 [Homo sapiens]

Official Symbol

GH2

Synonyms

GH2; growth hormone 2; growth hormone variant; GH V; GHL; GHV; hGH V; placenta specific growth hormone; placental specific growth hormone; placenta-specific growth hormone; placental-specific growth hormone; GH-V; hGH-V;

Gene ID

2689

mRNA Refseq

NM_002059

Protein Refseq

NP_002050

MIM

139240

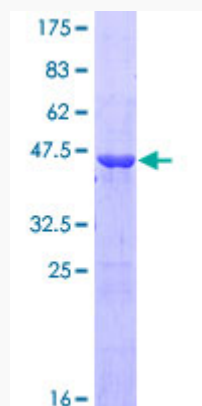
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UniProt ID P01242

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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