

Recombinant Human GH2 Protein, His-tagged

Cat. No. GH2-941H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GH2, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	28.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

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

UniProt ID P01242

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