

Recombinant Human GH1 Protein, His-tagged

Cat. No. GH1-4882H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Huamn GH1 (NP_000506, 1 a.a. - 217 a.a.) full-length recombinant protein with C-terminal hexahistidine tag expressed HEK293EBNA1 cells.
Species	Human
Source	HEK293
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. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature. [provided by RefSeq]
Form	Liquid
Molecular Mass	23.1 kDa
AA Sequence	FPTIPLSRLFDNAMLRAHRLHQLAFDTYQEFEEAYIPKEQKYSFLQNPQTSLCFSESI PTPSNREETQQKSNLELLRISLLLIQSWLEPVQFLRSVFANSLVYGASDSNVYDLLKD

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LEEGIQTLMGRLEDGSPRTGQIFKQTYSKFDTNSHNDDALLKNYGLLYCFRKDMDK
VETFLRIVQCRSVEGSCGFGSAAHHHHHHH

Applications

SDS-PAGE

Storage

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

Storage Buffer

In PBS without preservative

GENE INFORMATION

Gene Name

GH1 growth hormone 1 [Homo sapiens]

Official Symbol

GH1

Synonyms

GH1; growth hormone 1; somatotropin; GH; GH N; GHN; hGH N; pituitary growth hormone; GH-N; hGH-N; IGHD1B;

Gene ID

2688

mRNA Refseq

NM_000515

Protein Refseq

NP_000506

MIM

139250

UniProt ID

P01241

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