

Recombinant Human CSH1 Protein, GST-tagged

Cat. No. CSH1-1976H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CSH1 full-length ORF (AAH02717, 1 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 and plays an important role in growth control. The gene is located at the growth hormone locus on chromosome 17 along with four other related genes in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. Although the five genes share a remarkably high degree of sequence identity, they are expressed selectively in different tissues. 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 mainly in the placenta and utilizes multiple transcription initiation sites. Expression of the identical mature proteins for chorionic somatomammotropin hormones 1 and 2 is upregulated during development, although the ratio of 1 to 2 increases by term. Mutations in this gene result in placental lactogen deficiency and Silver-Russell syndrome. [provided by RefSeq, Jul 2008]
Molecular Mass	49.61 kDa
AA Sequence	MAPGSRTSLLLA FALLCLPWLQEAGAVQTVPLSRLFDHAMLQAHRAHQLAIDTYQEF

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EETYIPKDKYKSYFLHDSQTSSCFSDSIPTSPNMEETQQKSNLELLRISLLIESWLEPV
RFLRSMFANNLVYDTSDSDDYHLLKDLEEGIQTLMGRLDGSRRTGQILKQTYSKFD
TNSHNHDALLKNYGLLYCFRKDTDKVETFLRMVQCRSVEGSCGF

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

CSH1 chorionic somatomammotropin hormone 1 (placental lactogen) [Homo sapiens]

Official Symbol

CSH1

Synonyms

CSH1; chorionic somatomammotropin hormone 1 (placental lactogen); chorionic somatomammotropin hormone; choriomammotropin; chorionic somatomammotropin A; CSA; CSMT; FLJ75407; hCS A; PL; placental lactogen; CS-1; hCS-A;

Gene ID

1442

mRNA Refseq

NM_001317

Protein Refseq

NP_001308

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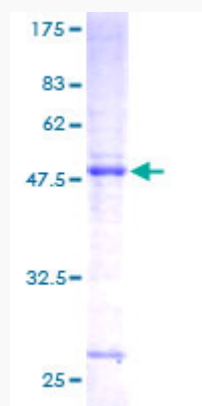
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MIM 150200

UniProt ID P01243

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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