

Recombinant Human CSH2 Protein, GST-tagged

Cat. No. CSH2-1978H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CSH2 full-length ORF (NP_066271.1, 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. 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, while the ratio of 1 to 2 increases by term. Structural and expression differences provide avenues for developmental regulation and tissue specificity. [provided by RefSeq, Jul 2008]
Molecular Mass	51.4 kDa
AA Sequence	MAAGSRTSLLLA FALLCLPWLQEAGAVQTVPLSRLFDHAMLQAHRAHQLAIDTYQEF

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EETYIPKDQKYSFLHDSQTSFCFSDSIPTPSNMEETQQKSNLELLRISLLIESWLEPV
RFLRSMFANNLVYDTSDDYHLLKDLEEGIQTLMGRLEDGSRRTGQILKQTYSKFD
TNSHNHDALLKNYGLLYCFRKMDMDKVETFLRMVQCRSVEGSCGF

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

CSH2 chorionic somatomammotropin hormone 2 [Homo sapiens]

Official Symbol

CSH2

Synonyms

CSB; CS-2; hCS-B

Gene ID

1443

mRNA Refseq

NM_022645.2

Protein Refseq

NP_072171.1

MIM

118820

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UniProt ID

P01243

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