

Recombinant Full Length Human CSH2 Protein, GST-tagged

Cat. No. CSH2-2178HF 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	In Vitro Cell Free System
ProteinLength	217 amino acids
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

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AA Sequence	MAAGSRTSLLLA FALLCLPWLQEAGAVQTVPLSRLFDHAMLQAHRAHQLAIDTYQEF EETYIPKDQKYSFLHDSQTSFCFSDSIPTPSNMEETQQKSNLELLRISLLIESWLEPV RFLRSMFANNLVYDTSDDDYHLLKDLEEGIQTLMGRLEDGSRRTGQILKQTYSKFD TNSHNHDALLKNYGLLYCFRKDMDKVETFLRMVQCRSVEGSCGF
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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