Recombinant Human CSH2 Protein, His-tagged

Cat. No. CSH2-193H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSH2, 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 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.
Form	50mM Tris, 8M Urea, pH8.0.
Molecular Mass	18.6 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	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
UniProt ID	P01243

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