

Recombinant Human CSHL1, GST-tagged

Cat. No. CSHL1-11623H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSHL1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-136a.a.
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. Although the five genes share a remarkably high degree of sequence identity, they are expressed selectively in different tissues. This particular family member is expressed in placental villi, although it was originally thought to be a pseudogene. In fact, alternative splicing suggests that the majority of the transcripts would be unable to express a secreted protein. Alternatively spliced transcript variants encoding different isoforms have been identified.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	CSHL1 chorionic somatomammotropin hormone-like 1 [Homo sapiens]
Official Symbol	CSHL1
Synonyms	CSHL1; chorionic somatomammotropin hormone-like 1; CSHP1; chorionic somatomammotropin CS 5; CS 5; CSL; hCS L; MGC149868; growth hormone cluster; chorionic somatomammotropin CS-5; CS-5; hCS-L;
Gene ID	1444
mRNA Refseq	NM_001318
Protein Refseq	NP_001309
MIM	603515
UniProt ID	Q14406
Chromosome Location	17q22-q24
Function	hormone activity; metal ion binding;

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