

Recombinant Human Chorionic Somatomammotropin Hormone 1 (placental lactogen)

Cat. No. CSH1-346H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CSH1 expressed by E. coli is a 22.3 kDa homodimeric protein.
Species	Human
Source	E.coli
Description	CSH1 is a polypeptide placental hormone. Its structure and function is similar to that of growth hormone. It modifies the metabolic state of the mother during pregnancy to facilitate the energy supply of the fetus. Recombinant human placental lactogen is a 22.3 kDa protein protein sequence.
Biological Activity	Test in process
Molecular Weight	22.3 kDa
Form	Sterile filtered and lyophilized with no additives.
Endotoxin Level	<0.1 ng/μg
Appearance	Lyophilized protein
Sequence	MVQTVPLSRLFDHAMLQAHRAHQLAIDTYQEFETYIPKDQKYSFLHDSQTSFCFSD SIPT PSNMEETQQKSNLELLRISLLIESWLEPVRFRLRSMFANNLVYDTSDDDYHLL KDLEEG IQTLMGRLEDGSRRTGQILKQTYSKFDTNSHNHDALLKNYGLLYCFRKDM

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DKVETFLRTV QCRSVEGSCGF

Purity >95% by SDS-PAGE and >95% by HPLC

Reconstitution Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers.

Storage The lyophilized Placental Lactogen is best-stored desiccated below 0°C. Reconstituted protein should be stored at working aliquots at -20°C. For long-term storage, it is recommended to add carrier protein (0.1% BSA).

GENE INFORMATION

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

Official Symbol CSH1

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

Gene ID 1442

mRNA Refseq NM_001317

Protein Refseq NP_001308

MIM 150200

UniProt ID P01243

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Chromosome Location	17q22-q24
Pathway	Jak-STAT signaling pathway; Neuroactive ligand-receptor interaction
Function	hormone activity; metal ion binding

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