

Native Human CSH1

Cat. No. CSH1-31024TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length native Human Placental lactogen purified from Human placental tissue, predicted MWt 22kDa.
Species	Human
ProteinLength	191 amino acids
Description	<p>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.</p> <p>Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. 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, although the ratio of 1 to 2 increases by term. Mutations in this gene result in placental lactogen deficiency and Silver-Russell syndrome.</p>
Molecular Weight	22.000kDa
Form	Lyophilised:Reconstitution with phosphate buffer, pH >7.0 containing 0.15M NaCl is

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

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recommended.

Purity by SDS-PAGE

Storage buffer Preservative: None
Constituents: 0.02M Ammonium bicarbonate

Storage Store at +4°C.

GENE INFORMATION

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

Official Symbol CSH1

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

Gene ID 1442

mRNA Refseq NM_001317

Protein Refseq NP_001308

MIM 150200

Uniprot ID P01243

Chromosome Location 17q22-q24

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Pathway

Cytokine Signaling in Immune system, organism-specific biosystem; Growth hormone receptor signaling, organism-specific biosystem; Immune System, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;

Function

hormone activity; metal ion binding;

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