

Product datasheet for **SC200847**

Placental lactogen (CSH2) (NM_022645) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Placental lactogen (CSH2) (NM_022645) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CSH2
Synonyms:	CS-2; CSB; GHB1; hCS-B; PL
ACCN:	NM_022645
Insert Size:	144 bp
Insert Sequence:	>SC200847 3'UTR clone of NM_022645 The sequence shown below is from the reference sequence of NM_022645. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CGCTCTGTAGAGGGTAGCTGTGGCTTCTAGGTGCCCGGTGGCATCCTGTGACCGACCCCTCCCAAGTG CCTCTCTGGCCCTGGAAGGTGCCACTCCAGTGCCCATCAGCCTTGTCCTAATAAAATTAAGTTGTATC ATTTCA ACGCGT AAGCGGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_022645.2</u>



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Summary:

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]

Locus ID:

1443

MW:

5