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Product datasheet for SC203018

Placental lactogen (CSH1) (NM_022640) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Placental lactogen (CSH1) (NM_022640) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CSH1
Synonyms:	CSA; CSH2; CSMT; FLJ75407; PL
ACCN:	NM_022640
Insert Size:	296 bp
Insert Sequence:	>SC203018 3'UTR clone of NM_022640 The sequence shown below is from the reference sequence of NM_022640. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GATCCTCAAGCAGACCTACAGCAAGTTTGACACAAACTCGCACAACCATGACGCACTGCTCAAGAACTA CGGGCTGCTCTACTGCTTCAGGAAGGACATGGACAAGGTCGAGACATTCCTGCGCATGGTGCAGTGCCG CTCTGTGGAGGGCAGCTGTGGCTTCTAGGTGCCCGAGTAGCATCCTGTGACCCCTCCCCAGTGCCTCTC CTGGCCCTGAAGGTGCCACTCCAGTGCCCACCAGCCTTGTCCTAATAAAATTAAGTTGTATCATTTCAT CTGAAAAAAAAAAAAAAAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-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:	NM_022640.3

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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, 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. [provided by RefSeq, Jul 2008]

Locus ID: 1442

MW: 10.5

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