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Product datasheet for RC223244L3V

Placental lactogen (CSH1) (NM_022640) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Placental lactogen (CSH1) (NM_022640) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Placental lactogen
Synonyms:	CSA; CSH2; CSMT; FLJ75407; PL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_022640
ORF Size:	768 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC223244).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_022640.2
RefSeq Size:	1132 bp
RefSeq ORF:	770 bp
Locus ID:	1442
Cytogenetics:	17q23.3
Protein Families:	Druggable Genome
Protein Pathways:	Jak-STAT signaling pathway, Neuroactive ligand-receptor interaction
MW:	28.6 kDa

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Gene 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]