

## Product datasheet for **RC223392L3V**

### Placental lactogen (CSH2) (NM\_022645) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Placental lactogen (CSH2) (NM_022645) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Placental lactogen   |
| Synonyms:                 | CS-2; CSB; GHB1; hCS-B; PL   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_022645  |
| ORF Size:                 | 366 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC223392).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_022645.2</a> , <a href="#">NP_072171.1</a>  |
| RefSeq Size:              | 598 bp   |
| RefSeq ORF:               | 369 bp   |
| Locus ID:                 | 1443   |
| Cytogenetics:             | 17q23.3  |
| Protein Families:         | Secreted Protein   |
| MW:                       | 13.7 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. 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]