

## Product datasheet for **RC214594L4V**

### Calcitonin (CALCA) (NM\_001741) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Calcitonin (CALCA) (NM_001741) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Calcitonin   |
| Synonyms:                 | CALC1; CGRP; CGRP-alpha; CGRP-I; CGRP1; CT; KC; PCT  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001741  |
| ORF Size:                 | 423 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC214594).   |
| 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_001741.2</a>  |
| RefSeq Size:              | 792 bp   |
| RefSeq ORF:               | 426 bp   |
| Locus ID:                 | 796  |
| UniProt ID:               | <a href="#">P01258</a>   |
| Cytogenetics:             | 11p15.2  |
| Protein Families:         | Druggable Genome, Secreted Protein   |
| MW:                       | 15.5 kDa   |



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**Gene Summary:**

This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katalcalcin by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator and as an antimicrobial peptide while katalcalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2014]