

Product datasheet for **RC214594L3V**

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-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
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. 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_001741.2
RefSeq Size:	792 bp
RefSeq ORF:	426 bp
Locus ID:	796
UniProt ID:	P01258
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]