

## Product datasheet for **MR200706L4V**

### Calca (NM\_001033954) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Calca (NM_001033954) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Calca
Synonyms:	C; CA; Calc; Calc1; Cg; Cgrp; CGRP-1; CGRP1; Ct; Ctn
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001033954
ORF Size:	384 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200706).
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_001033954.1</a>
RefSeq Size:	1022 bp
RefSeq ORF:	387 bp
Locus ID:	12310
UniProt ID:	<a href="#">Q99JA0</a>
Cytogenetics:	7 59.99 cM



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**Gene Summary:**

This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide (CGRP) and katacalcin. Alternative splicing of the mRNA results in multiple variants that encode either calcitonin or CGRP preproteins. Post-translational processing of the calcitonin and CGRP propeptides results in either calcitonin and katacalcin, or CGRP, respectively. Calcitonin and katacalcin modulate calcium levels in the blood stream. CGRP can function as a vasodilator and play a role in the transmission of pain. The human homolog of CGRP was found to have antimicrobial activity. [provided by RefSeq, Mar 2015]