

## Product datasheet for **RC205642L2V**

### Calpain 2 (CAPN2) (NM\_001748) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Calpain 2 (CAPN2) (NM_001748) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Calpain 2
Synonyms:	CANP2; CANPL2; CANPml; mCANP
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001748
ORF Size:	2100 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205642).
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_001748.3</a>
RefSeq Size:	3492 bp
RefSeq ORF:	2103 bp
Locus ID:	824
UniProt ID:	<a href="#">P17655</a>
Cytogenetics:	1q41
Domains:	Calpain_III, EFh
Protein Families:	Druggable Genome, Protease



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**Protein Pathways:** Alzheimer's disease, Apoptosis, Focal adhesion

**MW:** 80 kDa

**Gene Summary:** The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 2. Multiple heterogeneous transcriptional start sites in the 5' UTR have been reported. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]