

Product datasheet for **RC223152L3V**

CAPS1 (CADPS) (NM_183394) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CAPS1 (CADPS) (NM_183394) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CAPS1
Synonyms:	CADPS1; CAPS; CAPS1; UNC-31
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_183394
ORF Size:	3942 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223152).
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_183394.2
RefSeq Size:	5365 bp
RefSeq ORF:	3945 bp
Locus ID:	8618
UniProt ID:	Q9ULU8
Cytogenetics:	3p14.2
MW:	148.8 kDa



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Gene Summary:

This gene encodes a novel neural/endocrine-specific cytosolic and peripheral membrane protein required for the Ca²⁺-regulated exocytosis of secretory vesicles. The protein acts at a stage in exocytosis that follows ATP-dependent priming, which involves the essential synthesis of phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P₂). Alternative splicing has been observed at this locus and three variants, encoding distinct isoforms, are described. [provided by RefSeq, Aug 2008]