

Product datasheet for **MR209012L4V**

Crmp1 (NM_007765) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Crmp1 (NM_007765) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Crmp1
Synonyms:	CRMP-1; Dpysl1; DRP; DRP-1; Ul; ULIP-3; Ulip3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007765
ORF Size:	1716 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209012).
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_007765.3 , NP_031791.3
RefSeq Size:	2968 bp
RefSeq ORF:	1719 bp
Locus ID:	12933
UniProt ID:	P97427
Cytogenetics:	5 19.96 cM



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Gene Summary:

This gene encodes a protein that is part of the collapsin response mediator protein family. The family is comprised of five, homologous cytosolic phosphoproteins that are expressed in developing and adult nervous tissue and mediate signaling to transduce responses to extracellular cues. This protein is a Semaphorin 3A signaling molecule that regulates collapse of the growth cone. The growth cone mediates axonal pathfinding in neurons. This protein is reported to represent a new class of microtubule-associated proteins. In humans this protein is reported to inhibit cancer cell invasion. In mouse deficiency of this gene may be associated with impaired spatial memory performance. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jan 2013]