

Product datasheet for **MC219157**

Crmp1 (NM_007765) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crmp1 (NM_007765) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Crmp1
Synonyms:	CRMP-1; Dpysl1; DRP; DRP-1; Ul; ULIP-3; Ulip3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC219157 representing NM_007765
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCATCAGGGGAAGAAGAGCATCCCAGCATCACCAAGTACCGGCTCCTCATCAGAGTGGACGCA
 TCATCAATGATGACCAGTCCTTCTACGCCGATGTCTACCTAGAAGATGGACTCATAAAACAAATAGGAGA
 GAACCTGATTGTTCTGTTGAGTGAAGACCATCGAGGCGAATGGCCGAATGGTCAATCCCGGTGGCATT
 GATGTCAACACTTACCTGCAGAAGCCCTCCAGGGCATGACCTCGGCTGATGACTTCTCCAGGGCACTA
 AAGCAGCGCTGGCAGGTGGAACCACGATGATCATTGACCAGTGTCTGAACTGGGTCCAGCTTGT
 GACTTCTTTGAGAAATGGCAGCAAGCAGCAGACCAAAATCCTGCTGTGACTATTCCCTCCACGTGGAC
 ATCACAAGCTGGTATGATGGTGTTCGGGAAGAGCTGGAGGTGCTGGTGCAGGACAAAGGTGTCAACTCT
 TCCAAGTCTACATGGCGTATAAGGACCTGTACCAGATGTCTGACAGCCAGCTGTATGAAGCCTTCACCTT
 CCTTAAGGGTTTGGGAGCTGTGATCTTAGTCCATGCAGAAAATGGAGATTTGATAGCTCAGGAACAAAA
 CGGATCTGGAGATGGGCATCACGGTCCCGAGGGTCATGCTCTGAGCAGACCCGAGGAGCTGGAGGCCG
 AGGCTGTGTTCCGGGCTATTGCCATTGCAGGCCGGATCAATTGCCCTGTGTACATCACCAGGTCATGAG
 CAAGAGTGCAGCGGACATCATCGCACTGGCCAGGAAGAAAGGCCCTTGTCTTCGGTGAGCCCATAGCC
 GCCAGCCTGGGAACCGATGGCACCCACTACTGGAGCAAGAAGTGGCCAAAGGCAGCTGCATTTGTGACTT
 CCCCTCCCCTGAGCCAGACCCACCCTCCTGACTACTTGACCTCCTTGTGCTGGCCTGTGGAGACTTGA
 GGTCACAGGTAGTGGCCACTGTCCCTACAGTACTGCTCAGAAGGCTGTGGCAAGGACAACCTCACTCTG
 ATCCCTGAGGGTGTCAATGGTATAGAAGAGCGGATGACCGTTGTCTGGGACAAGGCAGTGGCTACTGGCA
 AGATGGATGAGAACCAGTTTGTAGCCGTACCAGCACCACGCAAGATCTTCAACCTGACCCGAG
 GAAAGGTCGGATCGCTGTGGGCTCCGATGCTGAGTAGTCATCTGGGACCCAGATAAGATGAAGACCATA
 ACAGCCAAAAGCCATAAAATCAACTGTGGAGTACAACATCTTTGAGGGCATGGAGTGCCACGGCTCCCCC
 TGGTGGTCATCAGTCAGGGCAAGATTGTCTTTGAGGATGGAAACATCAGTGTGAGCAAGGCATGGGCCG
 CTTTCATCCCTCGGAAGCCATTCCAGAGCATCTCTACCAGCGTGTGAGGATCAGAAGCAAGGTTTTCGGG
 TTGCATAGTGTTCAGGGGCATGTACGATGGGCTGTGTACGAGGTGCCAGCTACACCCAAACATGCTG
 CTCCTGCTCCTTCTGCCAAATCCTCGCCTTCTAAACACCAACCCCAACCCATCCGGAACCTCCACCAGTC
 CAACTTCAGTTATCAGGTGCCAGATAGATGACAACAATCCAAGGCGTACAGGCCACCGCATTGTGGCC
 CCCCTGGTGGCCGCTCCAACATCACAGCCTCGGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_007765
- Insert Size:** 1719 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_007765.4](#), [NP_031791.3](#)

RefSeq Size: 2968 bp

RefSeq ORF: 1719 bp

Locus ID: 12933

UniProt ID: [P97427](#)

Cytogenetics: 5 19.96 cM

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]

Transcript Variant: This variant (2) contains an alternate 5'-most exon and initiates translation at an alternate start codon compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1.