

## Product datasheet for **MC220407**

### Crmp1 (NM\_001136058) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Crmp1 (NM_001136058) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Crmp1
Synonyms:	CRMP-1; Dpysl1; DRP; DRP-1; Ul; ULIP-3; Ulip3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220407 representing NM\_001136058  
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC  
 GCC

ATGGCGGAGCGGGCGCGCGTGAACACGGAGGACACCTGCCGGTGTACTGGCGGCCAGGCAGCG  
 CGGCGCAGACCCCGCCAGAAGTACGGCGGCATGTTCCGCCCGTGGAGGGCGCTACGAGAACAAGAC  
 CATCGACTTCGACGCCTACAGCGTGGGCGCGCGCTCCGCGCGCACACCACGCAGCGTGGCCGGCC  
 GACGCCGTGGCCTGCCGTGCCCGGGCAGCGAAGACACGGCCAGTGATGTGAGCGAGCCCTCGGGCT  
 CTGCTGTCAGTTCGCCAGGCGATCGCGATGACAGACCGCCAGCGTTGCCATCCGATGTCCTGCCCCCG  
 CGACCTGCCACTCGGCCGGACAATGGCCAGAGTGACCGGCTCCTCATCAGAGGTGGACGCATCATCAAT  
 GATGACCAGTCTTCTACGCCGATGTCTACCTAGAAGATGGACTCATAAAACAAATAGGAGAGAACCTGA  
 TTGTTCTGGTGGAGTGAAGACCATCGAGGCGAATGGCCGAATGGTCATTCCCGGTGGCATTGATGTCAA  
 CACTTACCTGCAGAAGCCCTCCAGGGCATGACCTCGGCTGATGACTTCTCCAGGGCACTAAAGCAGCG  
 CTGGCAGGTGGAACCACGATGATCATTGACCACGTTGTTCTGAACCTGGGTCCAGCTTGTGTGACTTCT  
 TTGAGAAATGGCAGCAAGCAGCAGACACCAATCCTGCTGTGACTATTCCTCCAGTGGACATCACAAG  
 CTGGTATGATGGTGTTCGGGAAGAGCTGGAGGTGCTGGTGCAGGACAAAGGTGTCAACTCCTTCAAAGTC  
 TACATGGCGTATAAGGACCTGTACCAGATGTCTGACAGCCAGCTGTATGAAGCCTTCACTTCTTAAGG  
 GTTTGGGAGCTGTGATCTTAGTCCATGCAGAAAATGGAGATTTGATAGCTCAGGAACAAAAACGGATCCT  
 GGAGATGGGCATACGGGTCCCGAGGGTCATGCTCTGAGCAGACCCGAGGAGCTGGAGGCCGAGGCTGTG  
 TTCCGGGCTATTGCCATTGCAGGCCGATCAATTGCCCTGTGTACATACCAAGGTGATGAGCAAGAGTG  
 CAGCGGCATCATCGCACTGGCCAGGAAGAAAGGCCCTTTGTCTTCGGTGGCCCATAGCCGCCAGCCT  
 GGAACCGATGGCACCCACTACTGGAGCAAGAAGTGGGCCAAGGCAGCTGCATTTGTGACTTCCCCTCCC  
 CTGAGCCAGACCCACCACTCCTGACTACTTGACCTCCTTGCTGGCCTGTGGAGACTTGCAGGTACAG  
 GTAGTGGCCACTGTCCCTACAGTACTGCTCAGAAGGCTGTGGCAAGGACAACTCACTCTGATCCCTGA  
 GGGTGTCAATGGTATAGAAGAGCGGATGACCGTTGTCTGGGACAAGGCAGTGGCTACTGGCAAGATGGAT  
 GAGAACCAGTTTGTAGCCGTACCAGCACCAACGCAGCCAAGATCTTCAACTGTACCCGAGGAAAGGTC  
 GGATCGTGTGGGCTCCGATGCTGACGTAGTCATCTGGGACCCAGATAAGATGAAGACCATAACAGCCAA  
 AAGCCATAAATCAACTGTGGAGTACAACATCTTTGAGGGCATGGAGTGCCACGGCTCCCCCTGGTGGTC  
 ATCAGTCAGGGCAAGATTGTCTTTGAGGATGGAACATCAGTGTGAGCAAGGGCATGGGCCGCTTATCC  
 CTCGGAAGCCATTCCAGAGCATCTCTACCAGCGTGTGAGGATCAGAAGCAAGGTTTTCCGGTTGCATAG  
 TGTTTCCAGGGCATGTACGATGGGCTGTGTACGAGGTGCCAGCTACACCCAAACATGCTGCTCCTGCT  
 CCTTCTGCCAAATCCTCGCCTTCTAAACACCAACCCCAACCCATCCGGAACCTCCACCAGTCCAACTTCA  
 GCTTATCAGGTGCCAGATAGATGACAACAATCCAAGGCGTACAGGCCACCGCATTGTGGCGCCCTGG  
 TGGCCGCTCCAACATCACCAGCCTCGGTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Ascl-MluI
- ACCN:** NM\_001136058
- Insert Size:** 2061 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\\_001136058.2](#), [NP\\_001129530.1](#)

**RefSeq Size:** 3103 bp

**RefSeq ORF:** 2061 bp

**Locus ID:** 12933

**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 (1) represents the longer transcript and encodes the longer isoform (1).