

Product datasheet for **RN209501**

Crmp1 (NM_012932) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crmp1 (NM_012932) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Crmp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209501 representing NM_012932
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTCATCAGGGGAAGAAGAGCATCCCAGCATCACCAGTGACCGGCTCCTCATCAGAGCGGACGCA
 TCATCAATGATGACCAGTCCTTCTATGCCGATGTCTACCTAGAAGATGGACTCATAAAGCAAATAGGAGA
 AAACCTGATTGTTCTTCTGGTGGAGTGAAGACCATCGAGGCTAATGGCCGAATGGTCATTCTGGGGGCATC
 GATGTCAACACTTACCTGCAGAAGCCGTCAGGGCATGACCTCAGCCGATGACTTCTCCAGGGCACCA
 GAGCAGCGCTGGCAGGTGGAACCACGATGATCATTGACCATGTTGTTCTGAACCTGGGTCCAGCTTGT
 GACTTCTTTGAGAAATGGCAGCAAGCAGCAGACACCAAATCCTGCTGTGACTATTGCTCCACGTGGAC
 ATCAGGAGCTGGTATGATGGCGTTCGGGAGGAGCTGGAGGTGCTAGTGCAGGACAAAGGTGTCAACTCT
 TCCAAGTCTATATGGCATATAAGGACCTGTACCAGATGTCTGACAGCCAGCTGTACGAAGCCTTCACCTT
 CCTTAAGGCTCTGGGAGCTGTGATCTTAGTCCATGCGGAAAATGGAGATTTGATAGCTCAGGAACAAAA
 CGGATCCTGGAGATGGGCATCACAGTCTGAGGGACATGCTCTGAGTAGACCTGAGGAGCTGGAGGCCG
 AGGCCGTGTTCCGGGCTATTGCCATTGCAGGCCGGATCAATTGCCCTGTGTACATCACCAGGTCATGAG
 CAAGAGTGCAGGCCGACATCATCGCACTGGCCAGGAAGAAAGGCCCTTGTCTTCGGTGAGCCCATAGCC
 GCCAGCTTGGGAACAGATGGCACCCACTACTGGAGCAAGAACTGGGCCAAGGCAGCTGCATTTGTGACTT
 CCCCTCCCCTGAGCCAGACCCACCCTCCTGACTACTTGACTTCTTGTGCTGGCCTGTGGAGACTTGCA
 GGTCACAGGTAGTGGCCACTGTCCCTACAGTACTGCTCAGAAGGCTGTGGCAAGGACAACCTCACTCTG
 ATCCCCGAGGGCGTCAATGGCATAGAAGAGCGGATGACAGTTGTCTGGGACAAGGCAGTGGCTACTGGCA
 AGATGGATGAGAATCAGTTTGTAGCCGTACCAGCACCAACGCAGCCAAGATCTTCAACCTGTACCCAAG
 GAAAGGTCGGATTGCTGTGGGCTCCGATGCTGATGTCGTCATCTGGGACCCAGATAAGATGAAGACCTTA
 ACAGCCAAAAGCCATAAATCAACTGTGGAGTACAACATCTTCGAGGGCATGGAGTGCCATGGCTCCCCC
 TGGTGGTCATCAGCCAGGGCAAGATTGTCTTTGAGGATGGGAACATCAGCGTCAGCAAGGGCATGGGCCG
 CTTTCATCCCTCGGAAACCATTCCAGAGCACCTTACCAGCGTGTGAGGATCAGGAGCAAGGTTTTCGGG
 TTGCATAGTGTCTCAAGGGGCATGTACGATGGCCCCGTGTACGAGGTGCCAGCTACTCCCAAGCATGCAG
 CTCCTGCTCTTCTGCCAAGTCTCGCCTTCTAAACACCAGCCCCGCCATCAGGAACCTCCACCAGTC
 CAACTTCAGTTGTGAGGTGCCAGATAGATGACAACAATCCAAGGCGTACAGGGCACCGCATCGTGCCG
 CCCCTGGTGGCCGCTCCAACATCACCAGCCTCGGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012932
- 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_012932.2](#), [NP_037064.1](#)

RefSeq Size: 2846 bp

RefSeq ORF: 1719 bp

Locus ID: 25415

UniProt ID: [Q62950](#)

Cytogenetics: 14q21

Gene Summary: protein that may play a role in neuronal plasticity by transduction of signals from semaphorins [RGD, Feb 2006]
Transcript Variant: This variant (2) contains an alternate 5' terminal exon and initiates translation at an alternate start codon compared to variant 1. The encoded isoform (2) is shorter with a distinct N-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.