

Product datasheet for **RR209501**

Crmp1 (NM_012932) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR209501 representing NM_012932
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTCATCAGGGGAAGAAGAGCATCCCAGCATCACCAAGTACCGGCTCCTCATCAGAGCGGCACGCA
 TCATCAATGATGACCAAGTCTTCTATGCCGATGTCTACCTAGAAGATGGACTCATAAAGCAAATAGGAGA
 AAACCTGATTGTTCTGTGGAGTGAAGACCATCGAGGCTAATGGCCGAATGGTCATTCTGGGGGCATC
 GATGTCAACACTTACCTGCAGAAGCCGTCAGGGCATGACCTCAGCCGATGACTTCTCCAGGGCACCA
 GAGCAGCGCTGGCAGGTGAACCACGATGATCATTGACCATGTTGTTCTGAACCTGGGTCCAGCTTGT
 GACTTCTTTGAGAAATGGCAGCAAGCAGCAGACACCAAATCCTGCTGTGACTATTGCTCCACGTGGAC
 ATCAGGAGCTGGTATGATGGCGTTCGGGAGGAGCTGGAGGTGCTAGTGCAGGACAAAGGTGTCAACTCT
 TCCAAGTCTATATGGCATATAAGGACCTGTACCAGATGTCTGACAGCCAGCTGTACGAAGCCTTCACCT
 CCTTAAGGCTGGGAGCTGTGATCTTAGTCCATGCGGAAAATGGAGATTTGATAGCTCAGGAACAAAA
 CGGATCTGGAGATGGGCATCACAGTCTGAGGGACATGCTCTGAGTAGACCTGAGGAGCTGGAGGCCG
 AGGCCGTGTTCCGGGCTATTGCCATTGCAGGCCGGATCAATTGCCCTGTGTACATACCAAGGTCATGAG
 CAAGAGTGCAGCGGACATCATCGCACTGGCCAGGAAGAAAGGCCCTTGTCTTCGGTGAGCCCATAGCC
 GCCAGCTTGGGAACAGATGGCACCCACTACTGGAGCAAGAAGTGGCCAAAGGAGCTGCATTTGTGACTT
 CCCCTCCCCTGAGCCAGACCCACCCTCCTGACTACTTGACTTCTTGTGCTGGCTGTGGAGACTTGCA
 GGTCACAGGTAGTGGCCACTGTCCCTACAGTACTGCTCAGAAGGCTGTGGCAAGGACAACCTTCACTCTG
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 AGATGGATGAGAATCAGTTTGTAGCCGTCACAGCACCAACGCAAGCAAGATCTTCAACCTGTACCCAAG
 GAAAGGTCGATTGCTGTGGGCTCCGATGCTGATGCTGATCTGAGGACCAAGATAAGATGAAGACCTTA
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 CTTTCATCCCTCGAAACCATTCCAGAGCACCTTACCAGCGTGTGAGGATCAGGAGCAAGGTTTTCGGG
 TTGCATAGTGTCTCAAGGGGCATGTACGATGGCCCCGTGACGAGGTGCCAGCTACTCCCAAGCATGCAG
 CTCCTGCTCTTCTGCCAAGTCTCGCCTTCTAAACACCAGCCCCGCCATCAGGAACCTCCACCAGTC
 CAACTTCAGTTGTGAGGTGCCAGATAGATGACAACAATCCAAGGCGTACAGGGCACCGCATCGTGGCG
 CCCCTGGTGGCCGCTCAACATCACAGCCTCGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209501 representing NM_012932
 Red=Cloning site Green=Tags(s)

MSHQGKKSIPHITSRLLIRGGRIINDDQSFYADVLEDGLIKQIGENLIVPGGVKTIIEANGRMVIPGGI
 DVNTYLQKPSQGMTSADDFQGTAAALAGGTTMIDHVPEPGSSLLTSFEKWHEAADTKSCCDYSLHVD
 ITSWYDGVREELVQDKGVNSFQVYMYKDLQMSDSQLYEAFTFLKGLGAVILVHAENGLIAQEQL
 RILEMGITGPEGHALSRPEELEAEAVFRAIAIAGRINCPVYITKVMKSAADIIALARKKGPLVFGPIA
 ASLGTGTHYWSKNWAKAAAFVTSPLSPDPTTDPDYLTSLLACGDLQVTGSGHCPYSTAQKAVGKDNFTL
 IPEGVNGIEERMTVVWDKAVATGKMDENQFVAVTSTNAAKIFNLVPRKGRIVAGSDADVIVDPDKMKT
 TAKSHKSTVEYNIFEGMECHGSPLVVVISQKIVFEDGNI SVSKGMGRFIPRKPFPEHLYQVRVIRSKVFG
 LHSVSRGMYDGPVYEVPA TPKHAAPAPSAKSSPSKHQPPP IIRNLHQSNFSLSGAQIDDNNPRTGHRIVA
 PPGGRSNITSLG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

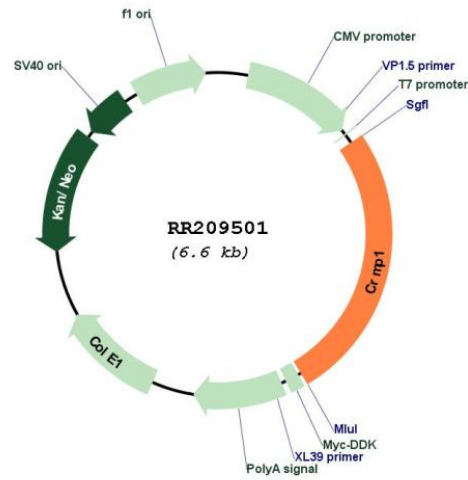
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN:

NM_012932

ORF Size:	1716 bp
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.
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:	<ol style="list-style-type: none">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
MW:	62.2 kDa
Gene Summary:	protein that may play a role in neuronal plasticity by transduction of signals from semaphorins [RGD, Feb 2006]