

Product datasheet for **RC238917**

CRMP1 (NM_001288662) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | CRMP1 (NM_001288662) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | CRMP1 |
| Synonyms: | CRMP-1; DPYSL1; DRP-1; DRP1; ULIP-3 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RC238917 representing NM_001288662
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGACCCTGGAGCCATAGTGACCGACTCCTCATCAAAGGTGGACGGATCATCAACGATGACCAAT
 CCCTTTATGCTGACGTCTACCTGGAGGATGGACTTATCAAACAAATAGGAGAGAAGCTTAATCGTTCCCTGG
 TGGAGTGAAGACCATTGAAGCCAACGGGCGGATGGTTATTCGCGAGGATTGATGTCAACACGTACCTG
 CAGAAGCCCTCCAGGGGATGACTGCGGCTGATGACTTCTTCAAGGGACCAGGGCGGCACTGGTGGGCG
 GGACCACGATGATCATTGACCATGTTGTTCTGAACCTGGGTCCAGCCTACTGACCTCTTTCGAGAAGTG
 GCACGAAGCAGCTGACACCAAATCCTGCTGTGATTACTCCCTCCACGTGGACATCACAAGCTGGTACGAT
 GGGCTTCGGGAGGAGCTGGAGGTGCTGGTGCAGGACAAAGGCGTCAATTCCTTCAAAGTCTACATGGCCT
 ATAAGGATGTCTACCAAATGTCGACAGCCAGCTCTATGAAGCCTTACCTTCTTAAGGGCCTGGGAGC
 TGTGATCTTGGTCCATGCAGAAAATGGAGATTTGATAGCTCAGGAACAAAAGCGGATCCTGGAGATGGGC
 ATCACGGGTCCCAGGGCCATGCCTGAGCAGACTGAAGAGCTGGAGGCCGAGGCGGTGTTCCGGGCCA
 TCACCATTGCGGGCCGGATCAACTGCCCTGTGTACATCACCAGGTGATGAGCAAGAGTGCAGCCGACAT
 CATCGCTCTGGCCAGGAAGAAAGGGCCCTAGTTTTGGAGAGCCATTGCCGCCAGCCTGGGGACCGAT
 GGCACCCATTACTGGAGCAAGAACTGGGCCAAGGCTGCGGCGTTCGTGACTTCCCCTCCCCTGAGCCCGG
 ACCCTACCACGCCCGACTACTTGACCTCCCTACTGGCCTGTGGGGACTTCAGGTCACAGGCAGCGGCCA
 CTGTCCCTACAGCACTGCCAGAAGGCGGTGGGCAAGGACAACCTTACCCTGATCCCCGAGGGTGTCAAC
 GGGATAGAGGAGCGGATGACGGTCGTCTGGGACAAGGCGGTGGCTACTGGCAAAAATGGATGAGAACCAGT
 TTGTCGCTGTACCAGCACCAATGCAGCAAGATCTTTAACCTGTACCCAAGGAAAGGGCGGATTCGCGT
 GGGCTCGGATGCCGACGTGGTCATCTGGGACCCCGACAAGTTGAAGACCATAACAGCCAAAAGTCAACA
 TCGGCGGTGGAGTACAACATCTTCGAGGTATGGAGTGCCACGGCTCCCCACTAGTGATCAGCCAGG
 GCAAGATCGTCTTTGAAGACGGAACATCAACGTCAACAAGGCATGGGCGCTTCATTCCGCGGAAGGC
 GTTCCCGGAGCACCTGTACCAGCGCTCAAATCAGGAATAAGGTTTTGGATTGCAAGGGGTTCCAGG
 GGCATGTATGACGGTCTGTGTACGAGGTACCAGCTACACCCAAATATGCAACTCCCCTCCTCAGCCA
 AATCTTCGCTTCTAAACACCAGCCCCACCCATCAGAACTCCACCAGTCCAAGTTCAGCTTATCAGG
 TGCCAGATAGATGACAACAATCCAGGCGCACCGGCCACCGCATCGTGGCGCCCTGGTGGCCGCTCC
 AACATACCAGCCTCGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238917 representing NM_001288662
 Red=Cloning site Green=Tags(s)

MRTTGAHSDRLLIKGGRIINDDQSLYADVYLEDLIKQIGENLIVPGGVKTIENGRMVIPIGGIDVNTYL
 QKPSQGMTAADDFQGTAAALVGGTTMIIDHVPEPGSSLLTSFEKWHEAADTKSCCDYSLHVDITSWYD
 GVRELEVLVQDKGVNSFQVYMYKDVYQMSDSL YEAF TFLKGLGAVILVHAENDLIAEQKRILEMG
 ITGPEGHALSRPEELEAEAVFRITIAGRINCPVYITKVMKSAADIIALARKKGPLVFGEPIAASLGTD
 GTHYWSKNWAKAAAFVTSPLSPDPTTDPYLTSLACGDLQVTGSGHCPYSTAQKAVGKDNFTL IPEGVN
 GIEERMTVVWDKAVATGKMDENQFVAVTSTNAAKIFNL YPRKGRIAVGSDADVVIWDPDKLKITAKSHK
 SAVEYNIFEGMECHGSPLVVISQKIVFEDGNIINVNKGMRGIPRKAPEHL YQVVKIRNKVFLQGVSR
 GMYDGPVVEVPATPKYATPAPSAKSSPSKHQPPPIRNLHQSNFSLSGAQIDDNNPRRTGHRIVAPPGGRS
 NITSLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

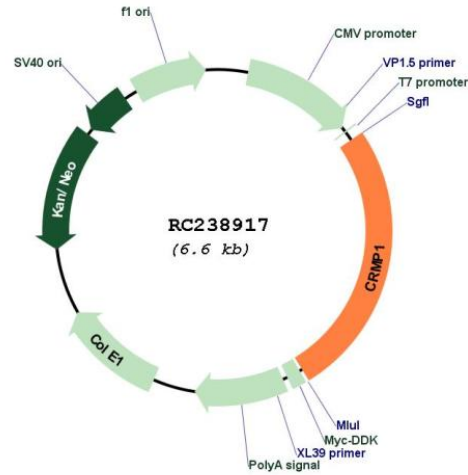
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001288662

ORF Size: 1698 bp

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| 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_001288662.1 , NP_001275591.1 |
| RefSeq Size: | 3101 bp |
| RefSeq ORF: | 1701 bp |
| Locus ID: | 1400 |
| UniProt ID: | Q14194 |
| Cytogenetics: | 4p16.2 |
| MW: | 61.9 kDa |
| Gene Summary: | This gene encodes a member of a family of cytosolic phosphoproteins expressed exclusively in the nervous system. The encoded protein is thought to be a part of the semaphorin signal transduction pathway implicated in semaphorin-induced growth cone collapse during neural development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008] |