

## Product datasheet for **SC320180**

### CRMP1 (NM\_001313) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CRMP1 (NM_001313) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRMP1
Synonyms:	CRMP-1; DPYSL1; DRP-1; DRP1; ULIP-3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001313 edited  
 ATGTCGTACCAGGGCAAGAAGAGCATCCCGCACATCACGAGTGACCGACTCCTCATCAAA  
 GGTGGACGGATCATCAACGATGACCAATCCCTTTATGCTGACGTCTACCTGGAGGATGGA  
 CTTATCAAACAAATAGGAGAGAAGCTTAATCGTTCTGTTGGAGTGAAGACCATTGAAGCC  
 AACGGGCGGATGGTTATCCCGGAGGTATTGATGTCAACACGTACCTGCAGAAGCCCTCC  
 CAGGGGATGACTGCGGCTGATGACTTCTCCAAGGGACCAGGGCGGCACTGGTGGCGGG  
 ACCACGATGATCATTGACCATGTTGTTCTGAACCTGGGTCCAGCCTACTGACCTTTTC  
 GAGAAGTGGCACGAAGCAGCTGACACCAATCCTGCTGTGATTACTCCCTCCACGTGGAC  
 ATCACAAGCTGGTACGATGGCGTTCGGGAGGAGCTGGAGGTGCTGGTGCAGGACAAGGC  
 GTCAATTCCTTCCAAGTCTACATGGCCTATAAGGATGTCTACCAATGTCCGACAGCCAG  
 CTCTATGAAGCCTTACCTTCTTAAGGGCTGGGAGCTGTGATCTTGGTCCATGCAGAA  
 AATGGAGATTTGATAGCTCAGGAACAAAAGCGGATCCTGGAGATGGGCATCACGGGTCCC  
 GAGGGCCATGCCCTGAGCAGACCTGAAGAGCTGGAGGCCGAGGCGGTGTTCCGGGCCATC  
 ACCATTGCGGGCCGGATCAACTGCCCTGTGTACATCACCAGGTCATGAGCAAGAGTGCA  
 GCCGACATCATCGCTCTGGCCAGGAAGAAAGGGCCCTAGTTTTTGGAGAGCCCATTGCC  
 GCCAGCCTGGGGACCGATGGCACCCATTACTGGAGCAAGAACTGGGCCAAGGCTGCGGGC  
 TTCGTGACTTCCCTCCCTGAGCCCGGACCCTACCACGCCCGACTACTTGACCTCCCTA  
 CTGGCCTGTGGGGACTTGACAGGTACAGGCAGCGGCCACTGTCCCTACAGCACTGCCAG  
 AAGGCGGTGGGCAAGGACAACCTTACCCTGATCCCGAGGGTGTCAACGGGATAGAGGAG  
 CGGATGACCGTCGTCTGGGACAAGGCGGTGGCTACTGGCAAAATGGATGAGAACCAGTTT  
 GTCGCTGTACCAGCACAATGCAGCCAAGATCTTAACTGTACCCAAGGAAAGGGCGG  
 ATTGCCGTGGGCTCGGATGCCGACGTGGTCATCTGGGACCCCGACAAGTTGAAGACCATA  
 ACAGCCAAAAGTCAAAAGTCGGCGGTGGAGTACAACATCTTCGAGGGTATGGAGTGCCAC  
 GGCTCCCCACTAGTGGTCATCAGCCAGGGCAAGATCGTCTTTGAAGACGGAACATCAAC  
 GTCAACAAGGGCATGGGCGCTTCATTCCGCGGAAGGCGTTCCCGGAGCACCTGTACCAG  
 CGCGTCAAAATCAGGAATAAGGTTTTTGGATTGCAAGGGGTTTCCAGGGGCATGTATGAC  
 GGTCTGTGTACGAGGTACCAGTACACCCAAATATGCAACTCCCGCTCCTTCAGCCAAA  
 TCTTTCGCTTCTAAACACCAGCCCCACCCATCAGAACTCCACCAGTCCAACCTCAGC  
 TTATCAGGTGCCAGATAGATGACAACAATCCCAGGCGCACCGGCCACCGCATCGTGGCG  
 CCCCTGGTGGCCGCTCCAACATCACCAGCCTCGGTTGA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_001313 unedited  
 GATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCTCGTGCCGA  
 ATTCGGCACGAGGCATCCACGGGCGCCGAGCCTCCGTCCGTGTCTCTATCCCTCCCGGGC  
 CTTTGTGACGCGCCCGCTGGGAGCGGGGCCGAGAGCGCCGGTCCAGTCAGACAGCCCC  
 GCAGGTGACGCGCCGGCCGAGGGCGCCAGAGGGGGCCATGTCGTACCAGGGCAAGAAGA  
 GCATCCCGCACATCACGAGTGACCGACTCCTCATCAAAGGTGGACGGATCATCAACGATG  
 ACCAATCCCTTTATGCTGACGTCTACCTGGAGGATGGACTTATCAAACAAATAGGAGAGA  
 ACTTAATCGTTCCTGGTGGAGTGAAGACCATTGAAGCCAACGGGCGGATGGTTATCCCG  
 GAGGTATTGATGTCAACACGTACCTGCAGAAGCCCTCCAGGGGATGACTGCGGCTGATG  
 ACTTCTTCCAAGGGACCAGGGCGGCACTGGTGGGCGGACCACGATGATCATTGACCATG  
 TTGTTCTGAACCTGNGTCCAGCCTACTGACCTTTTCGAGAAGTGGCACGAAGCAGCTG  
 ACACCAAATCCTGCTGTGATTACTCCCTCCACGTGGACATCACAAGCTGGTACGATGGCG  
 TTCGGGAGGAGCTGGAGGTGCTGGTGCANGACAAAGGCGTCAATTCTTCCAAGTCTACA  
 TGGCCTATAAGGATGTCTACCAATGTCCGACAGCCAGCTCTATGAAGCCCTTACCTTTC  
 TTANGGGCTGGAGCTGTGATCTTGGTCCATGCAGAAAATGGAGATTTGATAGCTCAGGA  
 ACAAAGCGGATCTGGAGATGGCATCACGTTCCCGAGGGCATGCCCTGACAAACCTGAAAC  
 CTGGAGCCACGGGTGGTTCCGGCN

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_001313 unedited TGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTGGCAGTTCATTTTCT TTATTTTTTACAAAGCTTTGAATTCAGAAATAAGAGCCACAACAAGTTGGTTGTTAAGTA AAAATGGGAGTGATTACAAAGGAAAACCTTTGTACAAAACCTTAAAAATCTGACTGCCCG TCAACTGCCTCAGAGGGACCAGGACTCAGGCCACGCAGGGGCAGCCATCAGCCCCCATC GTCAGCCCCGAATGGGGATGGAGAGACCTCTTTCTGAGTGTGAACCTGGCTCGGCCTGAA GCCTAAAGCTGGCTTGAAGAACACACACAGACCAGAAGACAGCACGGTGAGTTACAAGTG CCACGGAGACCAGGGTTTCTGACACAGGATGTGGAGGATGCTTCTGCAACCTAGTGCA AGGCTTCCCCTGCCATTCCGAGAATTCACGGATCTCACAGGTGGAGGTGGGGCGAGCTTC TTTCTAGTGTGGACCAGAGGTGGGGCAATGAGTAAACATCTTCACTGTAAGGGTTTTGG GACTGCCCTCAGGGCTTGAGGTCTCGGCATCGTGTCTCAGTCAGTCCTTGGCGATGTCC CCTCAGACGCACTCACAGACTTGCATACGTAATTTAGTAACATGCATCAACTATCCTAGA ACATCTACAGGGTCAAAGGAACCACCACTCAGAGAATCATGGAGCCAGTGGAGTTAGAA GTGAAGGGACAGAACCAGACAATGCTAAAACCTGTGGTCACTANGAANGGGGAATGAA AACACCATGCTCCGAGGTGGATTAGCATGAACACAACCTGTGGGCAAGGGATTTCCAAG CAAACACCACACTAGTTACACTCTTTCTAAACAGAAAGGAAAGAGCATCCTTGACTTN CCCCTCTNCATAANACCAACTAAACGTGGGGTTC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001313
<b>Insert Size:</b>	3100 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001313.3</a></u> , <u><a href="#">NP_001304.1</a></u>
<b>RefSeq Size:</b>	3046 bp
<b>RefSeq ORF:</b>	1719 bp
<b>Locus ID:</b>	1400
<b>UniProt ID:</b>	<u><a href="#">Q14194</a></u>

**Cytogenetics:** 4p16.2

**Domains:** Amidohydro\_1

**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]

Transcript Variant: This variant (2) contains an alternate 5' exon, compared to variant 1. It has a distinct 5' UTR and initiates translation at an alternate downstream AUG resulting in a protein (isoform 2) with a shorter N-terminus, compared to isoform 1.