

## Product datasheet for **SC314045**

### CRMP4 (DPYSL3) (NM\_001387) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CRMP4 (DPYSL3) (NM\_001387) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CRMP4  
**Synonyms:** CRMP-4; CRMP4; DRP-3; DRP3; LCRMP; ULIP; ULIP-1  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001387 edited  
GCGCGGGCGAGCCGGAGCAGAAGAAGGAGGGAGGGAGCCAGCCGCTGCAGCCACCACCGC  
CACCATGTCCTACCAAGGCAAGAAGAACATCCCGCGGATCACGAGTGACCGTCTCCTTAT  
CAAGGGAGGCAGAATCGTCAATGATGATCAGTCCTTTTATGCTGATATTTACATGGAAGA  
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TGAGAATGGGGATATCATTGCCAGGAGCAAACCCGCATGTTGGAAATGGGGATAACTGG  
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CATCACCATTGCCAGCCAAACCAATTGCCCTCTCTACGTCACAAAGGTATGAGCAAGAG  
TGCAGCTGACCTCATCTCACAAGCCAGGAAAAAGGAAATGTAGTCTTTGGTGAGCCAT  
CACTGCCAGCCTCGGCATAGATGGAACCCATTATTGGAGCAAGAACTGGGCCAAGGCGGC  
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GTTCTGGTGTGACAAGCACAACGCTGCCAAGATCTTCAACCTGTATCCCCGCAAGGG  
AAGAATATCTGTGGGTTCTGACAGCGACCTCGTCATCTGGGATCCAGATGCTGTGAAGAT  
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GACAGTGACCCAGGGGGCTGGCCGCTTCATACCCTGCAGCCCGTTCTCCGACTATGTCTA  
CAAGCGCATTAAAGCACGGAGGAAGATGGCAGACCTGCATGCCGTCCTCAAGGGGCATGTA



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CGATGGGCTGTGTTTGACCTGACCACCACCCCAAGGTGGCACCCCCGAGGCTCTGC  
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 CCTGTCAGGCACCAAGTGGATGAGGGGTTTCGCTCAGCCAGCAAGCGCATCGTGGCGCC  
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CAAGCTTCCCAGGCTTTCTCCCCTGGAAAACCTCCAGCTTGAGTCCCAGATACACTCATGG
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GAGTTTAGCTGACATTAAGAAAAAAGTTCATCACGTGACTGTTAATGTAACCTGGTTA
TTAAAATAACTATGAAATTACCAAAAAAAAAAAAAAAAAAAAAA
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001387
<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>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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_001387.2</a></u> , <u><a href="#">NP_001378.1</a></u>
<b>RefSeq Size:</b>	5066 bp
<b>RefSeq ORF:</b>	1713 bp
<b>Locus ID:</b>	1809
<b>UniProt ID:</b>	<u><a href="#">Q14195</a></u>
<b>Cytogenetics:</b>	5q32
<b>Domains:</b>	Amidohydro_1
<b>Gene Summary:</b>	<p>Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, neuronal growth cone collapse and cell migration (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform (1).</p>