

## Product datasheet for **SC113189**

### CRMP5 (DPYSL5) (NM\_020134) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CRMP5 (DPYSL5) (NM_020134) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPYSL5
Synonyms:	CRAM; CRMP-5; CRMP5; CV2; Ulip6
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_020134, the custom clone sequence may differ by one or more nucleotides

```

ATGCTTGCCAACTCAGCCAGCGTGAGGATCCTCATCAAGGGAGGCAAGGTGGTGAACGATGACTGCACCC
ACGAGGCTGACGTCTACATCGAATGGCATCATCCAGCAGGTGGGCCCGGAGCTCATGATCCCTGGCGG
GGCCAAGGTGATTGATGCCACAGGAAAAGTGGTATCCCTGGTGGCATCGACACCAGCACCCACTTCCAC
CAGACCTTCATGAATGCCACGTGCGTGGACGACTTCTACCATGGGACCAAGGCAGCACTCGTCGGAGGCA
CCACCATGATCATCGGCCACGTCTGCCGACAAGGAGACCTCCCTTGTGGACGCTTATGAGAAAGTGCCG
AGGTCTGGCCGACCCCAAGGTCTGCTGTGATTACGCCCTCCACGTGGGGATCACCTGGTGGGCACCCAAAG
GTGAAAGCAGAAAATGGAGACACTGGTGGAGGAGAAGGGTGTCAACTCGTTCAGATGTTTCATGACCTACA
AGGACCTGTACATGCTTCGAGACAGTGAAGTGTACCAAGTGTTCACGCTTGCAAGGACATTGGGGCAAT
CGCCCGCTCCATGCTGAAAATGGGGAGCTTGTGGCCGAGGGTGTAAAGGAGGACTGGATTGGGGATC
ACAGGCCCAAGGAATCGAGATCAGCCGTCCAGAGGAGCTGGAAGCTGAAGCCACTCATCGTGTATCA
CCATTGCAAACAGGACTCACTGTCCAATCTACCTGGTCAACGTGTCCAGTATCTCGGCTGGTGGACGTTAT
CGCAGCTGCTAAGATGCAAGGGAAGGTTGTGCTGGCGGAGACCACCACTGCACATGCCACGCTGACAGGC
TTACACTACTACCACCAGGACTGGTCCCACGCGGCTGCCTATGTACGCTGCCTCCCTGAGACTGGACA
CCAACACCTCAACCTACCTCATGAGCCTGCTGGCCAATGACACTCTGAACATCGTGGCATCAGATCACCG
GCCTTTCACCACAAGCAGAAAGCTATGGGCAAGGAAGACTTCACCAAGATCCCACATGGAGTGAGTGGC
GTGCAGGACCGCATGAGCGTCACTGGGAGAGAGGAGTGGTTGGAGGAAAGATGGATGAGAACCGTTTTG
TGGCCGTTACCAGTTC AACGCAGCTAAGCTTCTGAACCTGTATCCCGCAAGGGCCGATTATCCCGG
AGCCGATGCTGATGTGGTGGTGGGACCCAGAAGCCACAAGACCATCTCAGCCAGCACGAGGTCAG
GGAGGAGACTTCAACCTGTATGAGAACATGCGCTGCCACGCGTGCACCTGGTCAACATCAGCCGGGGC
GGTCTGTATGAGAACGGCGTCTTTCATGTGCGCCGAGGACCCGCAAGTCTGTCCCTGAGGTCCTT
CCCAGACACTGTCTACAAGAAGCTGGTCCAGAGAGAGAAGACTTTAAAGTTAGAGGAGTGGACCGCACT
CCCTACCTGGGGATGTCGCTGTTGCTGTCGACCTGGGAAAAAGAGATGGGAACCCCACTCGCAGACA
CTCCTACCCGGCCGTCACCCGGCATGGGGCATGAGGGACCTTACGAATCCAGCTTACGCTCTCTGG
CTCTCAGATCGATGACCATGTTCCAAAGCGAGCTTACGCTCGGATCCTCGCTCCTCCCGAGGCAGGTGCG
AGTGGCATTGGTAA
    
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_020134 unedited

```

ATTTGTAATACGACTCACTATAGGGGCGCCGCGAATTCGCACAGGCGCGCTGCAGCC
GCCGCGCCCGGAGCACCCGAGCTCCGCGCCGCGGCGAGACGGAGACGGACCGAGCCA
CGGGCCCCCGCGCCGAGCATCTCGGAGGAGAACATGCTTGCCAACTCAGCCAGCGTGA
GGATCCTCATCAAGGGAGGCAAGGTGGTGAACGATGACTGCACCCACGAGGCTGACGTCT
ACATCGAGAAATGGCATCATCCAGCAGGTGGGCCGCGAGCTCATGATCCCTGGCGGGGCCA
AGGTGATTGATGCCACAGGAAAAGTGGTATCCCTGGTGGCATCGACACCAGCACCCACT
TCCACCAGACCTTCATGAATGCCACGTGCGTGGACGACTTCTACCATGGGACCAAGGCAG
CACTCGTCCGAGGCACCACCATGATCATCGGCCACGCTCCTGCCGACAAGGAGACCTCCC
TTGTGGACGCTTATGAGAAGTGCCGAGGTCTGGCCGACCCCAAGGTCTGCTGTGATTACG
CCCTCCACGTGGGGATACCTGGTGGGCACCAAGGTGAAAGCAGAAAATGGAGACTGG
TGAGGGAGAAGGGGTGTCAACTCGTTCAGATGTTTCATGACCTACAAGGACCTGTACATG
CTTCGAGACAGTGAAGTGTACCAAGTGTGACGCTTGCAGGACATTGGGGCAATCGCCC
GCGTCCATGCTGAAAATGGGGAGCTTNGTGGCCGAGGGTGTAAAGGANGCACTGGATTTG
GGGGATCACAGGCCCCAGAGGAATCGAGATCAACCGTCCAGAGAGACTCACTGTCAATCT
ACTGGTNAACGTGTCATATCTTGGGTG
    
```

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_020134 unedited TTGCTCTGGACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTAAACACAT CTCAAAGTGCCTGTTAGAGTTGGCTCGAAGCACAGTGAATCACTTGCAGACATAGGGAG GGCTCCGTGGGTCCCGGGGCCCCCTCGGGTGGTGTGCCACCCAGCCCAGCCTCTCTGC CCCTGCAGCTTCGGCTGGAGAGTTGCGGGCTGGTGGCGGGTGGTGGTCCACTCGGGGG GCTTGGCAATGCCTTTACCAAATGCCACTCGACCTTCTCCGGGAGGAGCGAGGATCCGA GCTGAAGCTCGCTTTGGAACATGGTCATCGATCTGAGAGCCAGAGAGGCTGAAGCTGGAT TCGTGAAGGTCCCTCATGCCCCATGCCGGGTGACGGGCGGGTAGGAGTGTCTGCGAGT GGGGTTCCCATCTCTTTTTTCCAGGGTGCACGACAACAGCGACATCCCCAGGTAGGGA GTGCGGTCCACTCCTCTAACCTTTAAAGTCTTCTCTCTGACCAGCTTCTGTAGACA GTGTCTGGGAAGGACCTCAGGGACAGAACTTGCCGGTGCCTCGGCGCATGAAGACG CCGTTCTCATAACGACGCGCCCCGGTGTGGTACCAGTGGCAGCCGTGGCAGCGC ATGTTCTCATAAGTTGAAGTCTCTTCTGACCTGCGTGCTGCTGAAATGGGCTTT GTGGCTTCTGGGTCCACACCACCCATTACATCGTTTTCGGGATAATGCCGCCCTTGGC GGGAACAGGTGAGAACTTACCTGGGTGAACTGGAACCGGCACAAAAGGTTTTATTCT TTTTTCTCCACCCCTTTTTTACAATGACGCTCTGGCGGTCTGGCAGCACTTCCTT CATGTGGGGACCTGGGAAAGCTCTCTTGCCCAATTTTCTGTTTGTGGGAAA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_020134
<b>Insert Size:</b>	1960 bp
<b>OTI Disclaimer:</b>	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <a href="#">More info</a>
<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>	<a href="#">NM_020134.2</a> , <a href="#">NP_064519.2</a>
<b>RefSeq Size:</b>	3074 bp

RefSeq ORF: 1695 bp

Locus ID: 56896

UniProt ID: [Q9BPU6](#)

Cytogenetics: 2p23.3

Domains: Amidohydro\_1

Protein Pathways: Axon guidance

**Gene Summary:** This gene encodes a member of the CRMP (collapsing response mediator protein) family thought to be involved in neural development. Antibodies to the encoded protein were found in some patients with neurologic symptoms who had paraneoplastic syndrome. A pseudogene of this gene is found on chromosome 11. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Dec 2011]  
Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.