OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC116112

CRMP3 (DPYSL4) (NM_006426) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRMP3 (DPYSL4) (NM_006426) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRMP3
Synonyms:	CRMP3; DRP-4; ULIP4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC116112 sequence for NM_006426 edited (data generated by NextGen Sequencing)

ATGTCCTTCCAGGGCAAGAAAAGCATCCCCCGGATCACGAGTGACCGCCTTCTGATCAGA
GGTGGGAGGATCGTGAATGACGACCAGTCCTTTTACGCTGATGTGCACGTGGAAGATGGC
TTGATAAAACAAATCGGAGAAAACCTCATCGTCCCTGGGGGCATCAAGACCATTGACGCC
CACGGCCTGATGGTCCTTCCTGGTGGCGTTGACGTCCACACAAGGCTGCAGATGCCTGTC
CTGGGCATGACACCGGCTGACGACTTCTGTCAGGGCACCAAGGCAGCGCTAGCAGGAGGA
ACCACCATGATCTTGGACCACGTCTTCCCCGACACGGGTGTGAGCCTGCTGGCGGCCTAC
GAGCAGTGGCGGGAGCGGGCGGACAGCGCGGCCTGCTGCGACTACTCCCTGCACGTGGAC
ATCACCCGATGGCATGAGAGCATCAAGGAGGAGCTGGAGGCCCTGGTCAAGGAGAAGGGT
GTGAACTCCTTCCTGGTCTTCATGGCATACAAGGACCGGTGCCAGTGCAGCGACAGCCAG
ATGTACGAGATCTTCAGCATCATCCGGGACCTGGGGGCCTTGGCCCAGGTGCACGCTGAG
AACGGGGACATCGTGGAGGAGGAGCAGAAGCGGTTGCTGGAGCTCGGCATCACTGGCCCC
GAGGGCCACGTGCTCAGCCACCCCGAGGAGGTGGAGGCTGAGGCGGTGTACCGAGCTGTC
ACCATCGCCAAGCAGGCAAACTGCCCGCTGTACGTCACCAAGGTGATGAGCAAGGGGGCG
GCCGACGCCATCGCTCAGGCCAAGCGCAGAGGGGTGGTCGTGTTTGGGGAGCCCATCACC
GCCAGCCTGGGCACCGACGGTTCACACTACTGGAGCAAGAACTGGGCCAAGGCCGCAGCC
TTCGTCACATCACCCCCTGTCAACCCAGACCCCACCACGGCAGACCACCTCACCTGCTTG
CTGTCCAGCGGGGACCTCCAGGTGACAGGCAGCGCCCACTGCACCTTCACCACTGCCCAG
AAGGCTGTGGGCAAGGACAACTTCGCGCTGATCCCCGAGGGCACCAACGGCATTGAGGAG
CGCATGTCGATGGTCTGGGAGAAATGTGTGGCCTCTGGGAAGATGGACGAGAATGAGTTC
GTCGCGGTGACCAGTACAAATGCTGCCAAAATCTTCAATTTTTACCCAAGGAAGGGGCGA
GTGGCTGTGGGCTCTGACGCTGACCTGGTCATATGGAACCCCAAGGCCACCAAGATCATC
TCTGCCAAGACCCACAATCTGAACGTGGAGTACAACATCTTCGAGGGAGTGGAGTGCCGG
GGAGCGCCTGCCGTGGTCATAAGTCAGGGCCGAGTGGCGCTGGAGGACGGGAAGATGTTT
GTCACCCCGGGGGCGGGCCGCTTCGTCCCTCGGAAAACATTCCCGGACTTTGTCTACAAG
AGGATCAAAGCTCGCAACAGGCTGGCGGAGATCCACGGTGTGCCCCGTGGGCTGTATGAC
GGGCCCGTCCACGAGGTGATGGTGCCTGCCAAGCCAGGGAGTGGCGCTCCGGCCCGCGCG
TCCTGCCCAGGCAAGATCTCCGTCCCTCCTGTGCGCAACCTACATCAGTCGGGGTTCAGC
CTATCTGGGTCTCAGGCTGATGACCACATCGCCCGACGCACAGCACAGAAGATCATGGCA
CCACCTGGCGGCCGCTCCAACATCACCTCTCTCTCCTAG

Clone variation with respect to NM_006426.2
942 g=>a;1491 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006426 unedited
CCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCT
CATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCGCGAATTCG
GCACGAGGGCCGTCCCCACGCACGCGTCCCGGCTCACGCGTCCGCCCGCCCGCCCGCCCC
CGCTTGTGCCGCCCCTACCAGAGACCCCCAGGAGCAGGATGTCCTTCCAGGGCAAGAAAA
GCATCCCCCGGATCACGAGTGACCGCCTTCTGATCAGAGGTGGGAGGATCGTGAATGACG
ACCAGTCCTTTTACGCTGATGTGCACGTGGAAGATGGCTTGATAAAACAAATCGGAGAAA
ACCTCATCGTCCCTGGGGGCATCAAGACCATTGACGCCCACGGCCTGATGGTCCTTCCTG
GTGGCGTTGACGTCCACACAAGGCTGCAGATGCCTGTCCTGGGCATGACACCGGCTGACG
ACTTCTGTCAGGGCACCAAGGCAGCGCTAGCAGGAGGAACCACCATGATCTTGGACCACG
TCTTCCCCGACACGGGTGTGAGCCTGCTGGCGGCCTACGAGCAGTGGCGGGAGCGGGCGG
ACAGCGCGGCCTGCTGCGACTACTCCCTGCACGTGGACATCACCCGATGGCATGAGAGCA
TCAAGGAGGAGCTGGAGGCCCTGGTCAAGGAGAAGGGTGTGAACTCCTTCCTGGTCTTCA
TGGCATACAAGGACCGGTGCCAGTGCAGCGACAGCCAGATGTACGAGATCTTCAGCATCA
TCCGGGACCTGGGGGCCTTGGCCCANGTGCACGCTGAGAACGGNGACATCGTGGAGGAAG
AGCANAAGCGGTTGCTGGAGCTCGGCATCACTGGCCCCGAGGCCACGTGCTCAGCCACCC
CNGAGAGTGGGGAGCTGAGCNGTGTACCGAGCTGTCACATCGCCAAGCAGCAACTGCCNG
CTGTACGTCACCNAGTGATGAGCAGGNNGGCGGCCGACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006426 unedited
TCGNATTTTATAACCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAA
AACCCAACTTTTTTAATGGGCCTGATTCACATTAGAGGCAGGATGACTGCCTGTCCAGGC
GGGGGGTGGCATGCACAGGTTCCTGGCTACAGGGTCCTCAGTGTACAAAGCTGCTACTAA
AAACCCTTTTGAAATACACAATCTGTAATAAAAGGACGGGGGCTTCCTAAAGGATCGCAA
AACTTCCCTGGATGAGGGCTACATGGAAGCTTAAGTGTGGGCCTTGGGGTGCGTAAAAGG
GACCCTCCACGGGCGGGGCTGTGCTGCACCAATTTCTGATGGGTCCCTGAAGTCTCAACA
CCTGTGTGAGCAGGAGGGCTTTGCGCCCACTTTCCTCCCAGGCCTGCGATGGGCACAGGC
CTTTGAAGACCGGCTGCGGGAGTGTAGGGCTCTGCAAGGCATTGACTGGTGGTGGGGAGG
CGGCGGCAAATGCCCACCAGGCGGGACTCGGCCCCTCGCCGGTTCACCAAAAAGCCTGGT
GTCCAGCTGCTCCCACACTGTGAGCCCGGCAGGTTCCCTGTCCCCAGGCTGGGCCCAGCG
GGCACTGGGGTGCCTGGGCTCAGGCTGCCGGCATTGTCCCTGCCATGTGGCTCCACCTCA
CCCTGGCAGTGACATCTCCCCAGGTTCAGCCCTTCTCTTGAGGGGCTCTTGGCAGCAGGA
CCTGGGACCCCACAGGAGAGCCTGTGGGGAGGGGGAAGGCAAGACCGCCAAACACCTCGA
AGAACTTCTTCAAAAGAAAATGCTTAAGAGGGGGGCGGATGC

Restriction Sites: NotI-NotI

ACCN: NM_006426

Insert Size: 2750 bp

OTI Disclaimer: 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).

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:	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_006426.1, NP_006417.1
RefSeq Size:	2699 bp
RefSeq ORF:	1719 bp
Locus ID:	10570
UniProt ID:	O14531
Cytogenetics:	10q26.3
Domains:	Amidohydro_1
Gene Summary:	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]