

Product datasheet for **RG212919**

CRMP1 (NM_001014809) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRMP1 (NM_001014809) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CRMP1
Synonyms:	CRMP-1; DPYSL1; DRP-1; DRP1; ULIP-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG212919 representing NM_001014809
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGACCGGGCGCGCGTGGAAACACCGAGGACGACCTGCCCGTGTACCTGGCGCGGCCGGCAGCG
 CGGCGCAGACCCCGGCCAGAAGTACGGCGGCATGTTCCGCCGGTGGAGGGCGCTACGAGAACAAGAC
 CATCGACTTCGACGCCTACAGTGTGGGCGCGCGCTCGGCGCGCACGCGCGCAGCGCTGGCCGGCC
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 CCTTACGCCAAATCTTCGCTTCTAAACACCAGCCCCACCCATCAGAAACCTCCACCAGTCCAACCTTCA
 GCTTATCAGGTGCCAGATAGATGACAACAATCCAGGCGCACCGGCCACCGCATCGTGGCGCCCTGG
 TGGCCGCTCCAACATCACCAGCCTCGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212919 representing NM_001014809
 Red=Cloning site Green=Tags(s)

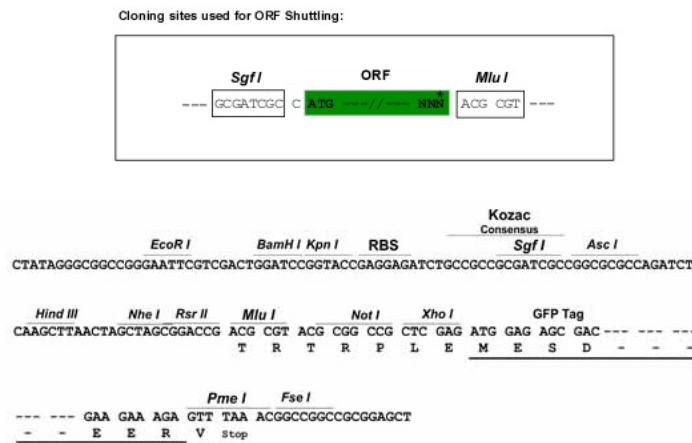
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MADRRRAWNTEDDLPVYLARPGSAAQTPRQKYGGMFAAVEGAYENKTIDFDAYSVGRRSARTPRSAGRP
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YMAYKDVIYQMSDSL YEAF TFLKGLGAVILVHAENGLIAQEQRILEMGITGPEGHALS RPEELEAEV
FRAIT IAGRINCPVYITKVMKSAADIIALARKKGPLVFGEPIAASLGTGTHYWSKNWAKAAAFVTSP
LSPDPTTDPDYL TSL LACGDLQVTGSGHCPYSTAQKAVGKDNFTL IPEGVNGIEERMTVVWDKAVATGKMD
ENQFVAVTSTNAAKIFNLYPRKGRIAVGSDADVVIWDPDKLKTITAKSHKSAVEYNI FEGMECHGSLVV
ISQGKIVFEDGNINVNKGMGRFIPRKAFPEHL YQRVKIRNKVFLGQVSRGMYDGPVVEVPATPKYATPA
PSAKSSPSKHQPPP I RN LHQS N FSLSGAQIDDNNPRTGHRIVAPPGGRSNITSLG
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001014809

ORF Size: 2058 bp

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:

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_001014809.3](#)

RefSeq Size: 3155 bp

RefSeq ORF: 2061 bp

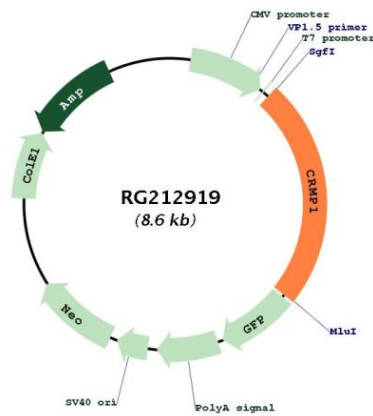
Locus ID: 1400

UniProt ID: [Q14194](#)

Cytogenetics: 4p16.2

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]

Product images:



Circular map for RG212919