

Product datasheet for **RC202631**

CRMP5 (DPYSL5) (NM_020134) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRMP5 (DPYSL5) (NM_020134) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CRMP5
Synonyms:	CRAM; CRMP-5; CRMP5; CV2; Ulip6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC202631 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTGCCAACCTCAGCCAGCGTGAGGATCCTCATCAAGGGAGGCAAGGTGGTGAACGATGACTGCACCC
 ACGAGGCTGACGTCTACATCGAGAATGGCATCATCCAGCAGGTGGGCCGGAGCTCATGATCCCTGGCGG
 GGCCAAGGTGATTGATGCCACAGGAAAACCTGGTATCCCTGGTGGCATCGACACCAAGCAGCCACTTCCAC
 CAGACCTTCATGAATGCCACGTGCGTGGACGACTTCTACCATGGGACCAAGGCAGCACTCGTCGGAGGCA
 CCACCATGATCATCGGCCACGTCTGCCGACAAGGAGACCTCCCTTGTGGACGCTTATGAGAAAGTCCG
 AGGTCTGGCCGACCCCAAGGTCTGCTGTGATTACGCCCTCCACGTGGGGATCACCTGGTGGGCACCCAAAG
 GTGAAAGCAGAAATGGAGACACTGGTGAAGGAGAAGGGTGTCAACTCGTCCAGATGTTTCATGACCTACA
 AGGACCTGTACATGCTTCGAGACAGTGAAGTGTACCAAGTGTGCACGCTTGAAGGACATTGGGGCAAT
 CGCCCGCTCCATGCTGAAAATGGGAGCTTGTGGCCGAGGGTGTAAAGGAGCACTGGATTTGGGGATC
 ACAGGCCCAAGGAATCGAGATCAGCCGTCCAGAGGAGCTGGAAGCTGAAGCCACTCATCGTGTATCA
 CCATTGCAAAACAGGACTCACTGTCCAATCTACCTGGTCAACGTGTCCAGTATCTCGGCTGGTGCAGTTAT
 CGCAGTGCTAAGATGCAAGGGAAGGTTGTGCTGGCGGAGACCACCACTGCACATGCCACGCTGACAGGC
 TTACTACTACCACCAGGACTGGTCCCACGGCTGCCTATGTCACGGTGCCTCCCCTGAGACTGGACA
 CCAACACCTCAACCTACCTCATGAGCCTGCTGGCCAATGACACTCTGAACATCGTGGCATCAGATCACCG
 GCCTTTACCACAAGCAGAAAGCTATGGGCAAGGAAGACTTCACCAAGTCCCACATGGAGTGAGTGGC
 GTGCAGGACCGCATGAGCGTCACTGGGAGAGGAGTGGTTGGAGGAAAGATGGATGAGAACCCTTTTG
 TGCCCGTTACAGTTCACACGCAGCTAAGCTTCTGAACCTGTATCCCCGCAAGGGCCGATTATTTCCCGG
 AGCCGATGCTGATGTGGTGGTGTGGGACCCAGAAGCCACAAGACCATCTCAGCCAGCACGACGAGGTCAG
 GGAGGAGACTTCAACCTGTATGAGAACATGCGCTGCCACGGCGTCCACTGGTACCATCAGCCGGGGC
 GCGTCGTGTATGAGAACGGCGTCTTCATGTGCGCCGAGGGCACCGCAAGTTCTGTCCCCTGAGTCCCT
 CCCAGACTGTCTACAAGAAGCTGGTCCAGAGAGAGAAGACTTTAAAGTTAGAGGAGTGGACCGCACT
 CCCTACCTGGGGATGTCGCTGTGTGTCGACCCCTGGGAAAAAGAGATGGGAACCCCACTCGCAGACA
 CTCCTACCCGGCCGTCACCCGGCATGGGGCATGAGGGACCTTACGAATCCAGCTTCAAGCTCTCTGG
 CTCTCAGATCGATGACCATGTTCCAAAGCGAGCTTCAAGCTCGGATCCTCGCTCCTCCCGAGGCAGGTCG
 AGTGGCATTGG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202631 protein sequence
 Red=Cloning site Green=Tags(s)

MLANSASVRILIKGGKVVNDCTHEADVYIENGI IQQVGRELMIPGGAKVIDATGKLVIPGGIDTSTHFH
 QTFMNATCVDDFYHGKAALVGGTTMIIGHVLPDKETSLVDAYEKCRGLADPKVCCDYALHVGITWWAPK
 VKAEMETLVREKGVNSFQMFMTYKDL YMLRDESEL YQVLHACKDIGAIARVHAENGELVAEGAKEALDLGI
 TGPEGIEISRPEELEAEATHRVITIANRTHCPIYLVNVSISAGDVIAAAKMQGKVVLAETTTAATLTG
 LHYHHQDWSHAAAYVTPPLRLDTNTSTYLSMLLANDTLNIVASDHRPFTTKQKAMGKEDFTKIPHGVS
 VQDRMSVIWERG VVGGKMDENRFVAVTSSNAKLLNL YPRKGRIIPGADADVVVWDPEATKTI SASTQVQ
 GGDFNL YENMRCHGVPLVTISRGRVYENGVMCAEAGTKFCPLRSFPDVTYKLVQREKTLKVRGVDRT
 PYLGDVAVVVHPGKEMGTPLADTPTRPVTRHGMRLHESSFSLSGSQIDHVPKRASARILAPGGRS
 SGIW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6669_a12.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_020134

ORF Size: 1692 bp

OTI Disclaimer: 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 custsupport@origene.com 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. [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.

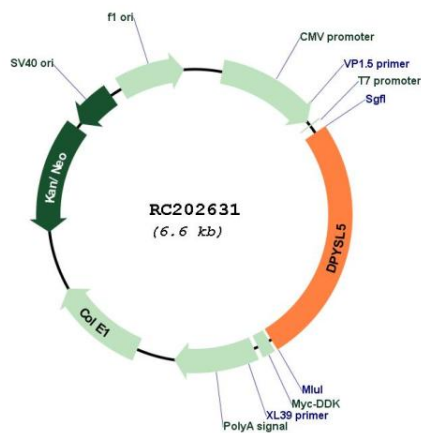
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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.

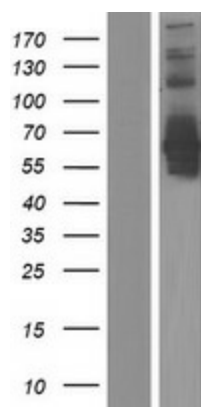
RefSeq: [NM_020134.4](#)
RefSeq Size: 5225 bp
RefSeq ORF: 1695 bp
Locus ID: 56896
UniProt ID: [Q9BPU6](#)
Cytogenetics: 2p23.3
Domains: Amidohydro_1
Protein Pathways: Axon guidance
MW: 61.4 kDa

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]

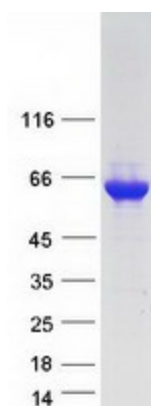
Product images:



Circular map for RC202631



Western blot validation of overexpression lysate (Cat# [LY412641]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202631 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DPYSL5 protein (Cat# [TP302631]). The protein was produced from HEK293T cells transfected with DPYSL5 cDNA clone (Cat# RC202631) using MegaTran 2.0 (Cat# [TT210002]).