

## Product datasheet for **RG232974**

### CRMP5 (DPYSL5) (NM\_001253723) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CRMP5 (DPYSL5) (NM_001253723) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DPYSL5
Synonyms:	CRAM; CRMP-5; CRMP5; CV2; Ulip6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG232974 representing NM\_001253723  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTTGCCAACCTCAGCCAGCGTGAGGATCCTCATCAAGGGAGGCAAGGTGGTGAACGATGACTGCACCC  
 ACGAGGCTGACGTCTACATCGAGAATGGCATCATCCAGCAGGTGGGCCGCGAGCTCATGATCCCTGGCGG  
 GGCCAAGGTGATTGATGCCACAGGAAAACCTGGTATCCCTGGTGGCATCGACACCAAGCAGCCACTCCAC  
 CAGACCTTCATGAATGCCACGTGCGTGGACGACTTCTACCATGGGACCAAGGCAGCACTCGTCGGAGGCA  
 CCACCATGATCATCGGCCACGTCTGCCGACAAGGAGACCTCCCTTGTGGACGCTTATGAGAAAGTCCG  
 AGGTCTGGCCGACCCCAAGGTCTGCTGTGATTACGCCCTCCACGTGGGGATCACCTGGTGGGCACCCAAAG  
 GTGAAAGCAGAAATGGAGACACTGGTGAAGGAGAAGGGTGTCAACTCGTTCAGATGTTTCATGACCTACA  
 AGGACCTGTACATGCTTCGAGACAGTGAAGTGTACCAAGTGTGCACGCTTGAAGGACATTGGGGCAAT  
 CGCCCGCTCCATGCTGAAAATGGGAGCTTGTGGCCGAGGGTGTAAAGGAGCACTGGATTGGGGATC  
 ACAGGCCAGAAAGGAATCGAGATCAGCCGTCCAGAGGAGCTGGAAGCTGAAGCCACTCATCGTGTATCA  
 CCATTGCAAAACAGGACTCACTGTCCAATCTACCTGGTCAACGTGTCCAGTATCTCGGCTGGTGACGTTAT  
 CGCAGTGCTAAGATGCAAGGGAAGGTTGTGCTGGCGGAGACCACCCTGCACATGCCACGCTGACAGGC  
 TTACTACTACCACCAGGACTGGTCCCACGCGGCTGCCTATGTCACGGTGCCTCCCCTGAGACTGGACA  
 CCAACACCTCAACCTACCTCATGAGCCTGCTGGCCAATGACACTCTGAACATCGTGGCATCAGATCACCG  
 GCCTTTACCACAAGCAGAAAGCTATGGGCAAGGAAGACTTCACCAAGATCCCACATGGAGTGAGTGGC  
 GTGCAGGACCGCATGAGCGTCACTGGGAGAGGAGTGGTTGGAGGAAAGATGGATGAGAACCGTTTTTG  
 TGCCGTTACAGTTCACACGCAGCTAAGCTTCTGAACCTGTATCCCCGCAAGGGCCGATTATTTCCCGG  
 AGCCGATGCTGATGTGGTGGTGTGGGACCCAGAAAGCCACAAAGACCATCTCAGCCAGCACGAGGTCCAG  
 GGAGGAGACTTCAACCTGTATGAGAACATGCGCTGCCACGGCGTCCACTGGTACCATCAGCCGGGGC  
 GCGTCGTGTATGAGAACGGCGTCTTCATGTGCGCCGAGGGCACCAGGCAAGTTCTGTCCCCTGAGTCCCT  
 CCCAGACTGTCTACAAGAAGCTGGTCCAGAGAGAGAAGACTTTAAAGTTAGAGGAGTGGACCGCACT  
 CCCTACCTGGGGATGTCGCTGTGTGTCGACCCCTGGGAAAAAGAGATGGGAACCCCACTCGCAGACA  
 CTCCTACCCGGCCGTCACCCGGCATGGGGCATGAGGGACCTTACGAATCCAGCTTCAAGCTCTCTGG  
 CTCTCAGATCGATGACCATGTTCCAAAGCGAGCTTCAAGCTCGGATCCTCGCTCCTCCCGAGGCAGGTCG  
 AGTGGCATTGG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG232974 representing NM\_001253723  
 Red=Cloning site Green=Tags(s)

MLANSASVRILIKGGKVVNDCTHEADVYIENGIQQVGRELMIPGGAKVIDATGKLVIPGGIDTSTHFH  
 QTFMNATCVDDFYHGKAALVGGTMIIGHVLPDKETSLVDAYEKCRGLADPKVCCDYALHVGITWWAPK  
 VKAEMETLVREKGVNSFQMFMTYKDLMLRDELYQVLHACKDIGAIARVHAENGELVAEGAKEALDLGI  
 TGPEGIEISRPEELEAEATHRVITIANRTHCPYLVNVSSISAGDVIAAAKMQGKVVLAETTTAATLTLG  
 LHYYHQDWSHAAAYVTPPLRLDNTSTYLSLLANDTLNIVASDHRPFTTKQKAMGKEDFTKIPHGVS  
 VQDRMSVIWERGIVGGKMDENRFVAVTSSNAKLLNL YPRKGRIIPGADADVVDPEATKTISASTQVQ  
 GGFNL YENMRCHGVPLVTISRGRVYENGVMCAEGTGKFCPLRSFPDVTYKLVQREKTLKVRGVDRT  
 PYLGDVAVVVHPGKEMGTPLADTPTRPVTRHGMRLHESSFSLSGSQIDHVPKRASARILAPPGGRS  
 SGIW

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	<p>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.</p> <p>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></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<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>	<p><a href="#">NM_001253723.1</a>, <a href="#">NP_001240652.1</a></p>
<b>RefSeq Size:</b>	<p>5142 bp</p>
<b>RefSeq ORF:</b>	<p>1695 bp</p>
<b>Locus ID:</b>	<p>56896</p>
<b>UniProt ID:</b>	<p><a href="#">Q9BPU6</a></p>
<b>Cytogenetics:</b>	<p>2p23.3</p>
<b>Protein Pathways:</b>	<p>Axon guidance</p>
<b>Gene Summary:</b>	<p>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]</p>