

Product datasheet for **RG232767**

PPP2R5D (NM_001270476) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5D (NM_001270476) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP2R5D
Synonyms:	B56D; B56delta; MRD35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG232767 representing NM_001270476
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTGGAGTACATCACCCATAGCCGTGATGTTGTCACTGAGGCCATTTACCCTGAGGCTGTCCACATGT
 TTTCAGTGAACCTCTCCGGACGCTGCCACCTTCATCGAATCCCACAGGGGCTGAGTTTGACCCAGAGGA
 AGATGAGCCACCTGGAAGCTGCTGGCCACATCTCCAGCTCGTGTATGAGTTCTTCTTACGTTTCCTT
 GAGTCTCCTGATTTCCAGCCAAACATAGCCAAGAAGTACATCGACCAGAAGTTTGTACTTGCTCTCCTAG
 ACCTATTTGACAGTGAGGATCCTCGAGAGCGGGACTTCTCAAGACCATTTTGCATCGCATCTATGGCAA
 GTTTTTGGGGCTCCGGGTTATATCCGTAGGCAGATCAACCACATCTTCTACAGTTTCATCTACGAGACG
 GAGCATACAACGGGATTGCTGAGCTCCTGGAGATCCTGGGCAGCATCATCAATGGCTTTGCCCTGCCCC
 TTAAGAAGAGCACAAGATGTTCTCATCCGTGCTCTACTTCCCCTTACAAGGTCAAGTCCCTGAGTGT
 CTACCACCCTCAGCTGGCATACTGTGTGTTACAATTCCTGGAGAAGGAGAGCAGTCTGACTGAGCCGGTA
 ATTGTGGGACTTCTCAAGTTTTGGCCCAAGACCCACAGCCCAAGGAGGTGATGTTCTTGAATGAGCTGG
 AGGAGATTCTGGACGTCATTGAACCTTCTGAGTTCAGCAAAGTGTGGAACCCCTCTCCGCCAGCTGGC
 CAAGTGTGTCTCTAGCCCCATTTCCAGGTGGCAGAGCGTCTCTCTATTACTGGAACAATGAGTACATC
 ATGAGCCTGATAAGTGACAATGCTGCCGAGTCTCCCATCATGTTCCCTGCACTCTACAGGAACTCCA
 AGAGCCACTGGAACAAGACAATCCATGGACTGATCTATAATGCCCTGAAGTTGTTTATGGAATGAATCA
 GAAGCTGTTTGTGACTGCACACAACAATAAAGGCAGAGAAGCAGAAGGGCCGGTTCGGAATGAAGGAA
 AGGGAAGAGATGTGGCAAAAAATCGAGGAGCTGGCCCGGCTTAATCCCCAGTATCCCATGTTCCGAGCCC
 CTCCACCCTGCCCCCTGTGACTCGATGGAGACAGAGACCCCCACAGCTGAGGACATCCAGCTTCTGAA
 GAGGACTGTGGAGACTGAGGCTGTTGAGATGCTAAAAGACATCAAGAAGGAGAAAAGTGTCTGTCGGGAGG
 AAGTCGGAGCTGCCCCAGGACGTGTACCCATCAAGGCACTGGAGGCGCAAGCGGGCGGAAGAGTTCC
 TAACTGCCAGCCAGGAGGCTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG232767 representing NM_001270476
 Red=Cloning site Green=Tags(s)

MVEYITHSRDVVTEAIYPEAVTMFSVNLFRLLPSSNPTGAEFDPEEPTLEAAWPHLQLVYEFFLRFL
 ESPDFQPNIAKKYIDQKFLALLDLFDSEDPRERDFLKTILHRIYGKFLGLRAYIRRQINHIYRFIYET
 EHHNGIAELLEILGSIINGFALPLKEEHKMFLIRVLLPLHKVKSLSVYHPQLAYCVVQFLEKESSTEPV
 IVGLLKFWPKTHSPKEVMFLNELEEILDVIEPSEFSKVMPELFRQLAKCVSSPHFQVAERALYYWNEYI
 MSLISDNaARVLPIMFPALYRNSKSHWNKTIHGLIYNALKLFMEMNQKLFDDCTQQYKAQKQGRFRMKE
 REEMWQKIEELARLNPQYPMFRAPPPLPPVYSMETETPTAEDIQLLKRVTETAVQMLKDIKKEKVLRR
 KSELPQDVYTIKALEAHKRAEEFLTASQEAL

TRTRPLE - GFP Tag - V

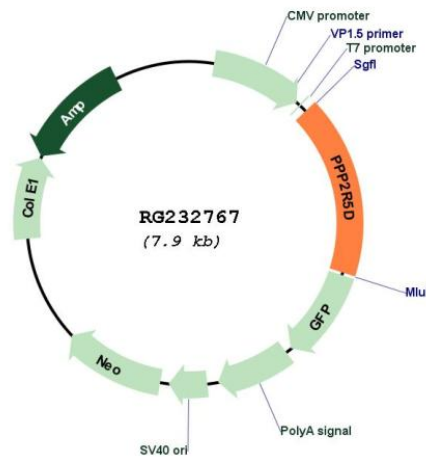
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001270476

ORF Size: 1353 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:	<ol style="list-style-type: none">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_001270476.2
RefSeq Size:	3082 bp
RefSeq ORF:	1356 bp
Locus ID:	5528
UniProt ID:	Q14738
Cytogenetics:	6p21.1
Protein Families:	Phosphatase
Protein Pathways:	Oocyte meiosis, Wnt signaling pathway
Gene Summary:	The product of this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a delta isoform of the regulatory subunit B56 subfamily. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]