

Product datasheet for **MR207793**

PPP2R5A (NM_144880) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5A (NM_144880) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2R5A
Synonyms:	PR61alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207793 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGTCGCGCTCGCCGCCGACCAGTTGCCTGCGCCGCCATCTCGGCCTCGGAGAAAGTGGACGGCT
 TCACCCGAAATCGGTGCGCAAGGCGCAGAGGCAGAAGCGCTCTCAGGGCTCGTCGAGTTCGCGAGCCA
 GGGCAGCCAGGCGGAGCTGCACCCCTGCCCCAGCTCAAAGATGCCACTTCAAATGAACAGCAAGAGCTT
 TTCTGCCAGAAGCTACAACAGTGTGTACTGTTGATTTTCATGGACTCTGTCTCAGACTTGAAGAGCA
 AAGAAATTAAGAGCGACGCTGAATGAACTGGTTGAGTATGTTTCAACTAATCGTGGTGAATTGTTGA
 ATCAGCGTATTCTGATATAGTAAAAATGATCAGTGCTAACATCTCCGGACACTTCTCCAAGTGATAAT
 CCAGATTTTGACCCGGAAGAGGATGAGCCACACTTGAGGCTCTTGGCCTCACATACAGTTGGTGTATG
 AATTCTTCTTGAGATTCTTGAGAGTCTGATTTCCAGCCAGCATTGCAAAGCGATACATTGATCAGAA
 GTTTGTCCAACAGCTCCTGGAGCTTTTTGATAGTGAAGATCCACGGGAGCGGACTTCTGAAGACCGTC
 CTGCATCGGATTTACGGCAAGTTCCTTGGCCTGAGAGCGTTCATCAGAAAGCAAATTAACAACATTTTCC
 TCAGGTTTATATGAAACGGAACATTTCAATGGTGTGGCTGAGCTCCTGGAAATATTGGGAAGTATCAT
 CAATGGCTTTGCATTGCCACTGAAAGCAGAGCATAAGCAGTTTCTAATGAAGTTCTTATTCCTATGCAT
 ACTGCAAAGGATTGGCCTTGTTCACGCACAGCTGGCGTACTGTGTTGTGCAGTTCTGGGAAAGACA
 CAACGCTGACAGAGCCGGTGTACAGAGGACTGCTGAAATTTGGCCAAAAACATGCAGTCAGAAAGAGGT
 GATGTTTTTAGGAGAAATGAAGAGATCTAGATGTATTGAACCAACACAATTCAAAAAATTGAAGAG
 CCGCTTTTTAAGCAGATATCCAAGTGCCTCCAGCTCTCATTTCCAGTTGCAGAAAGAGCACTGTACT
 TCTGGAATAATGAATATATTCTTATTGTTGATTGAAGAGAATATTGATAAAATCCTGCCAATCATGTTTGC
 CAGCTTGTATAAAATTTCCAAAGAACACTGGAATCAGACTATTGTAGCACTGGTGTACAATGTGCTGAAA
 ACCCTCATGGAGATGAACGGCAAGCTTTTTGACGACCTTACTAGTTCTCAAAGCCGAAAGACAGAGAG
 AGAAGAAGAAAGAACTGGAACGGGAAGGTTGTGGAAAAAAGTAGAGGAGCTGCAGCTGAAGAAGGCTCT
 AGAAGAAACAGAACAATGCTTACAACATGCACAGTATTGCGAGCAGTACCAGTGCCAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207793 protein sequence
 Red=Cloning site Green=Tags(s)

MSSPSPAPVACAASASEKVDGFTRKSVRKAQRQKRSQGSQFRSQSQAELHPLPQLKDATSNEQQEL
 FCQKLQQCCVLFDFMDSVSDLKSKEIKRATLNELVEYVSTNRGVIVESAYSVDIVKMISANIFRTLPPSDN
 PDFDPEEDEPTLEASWPHIQLVYEFFLRFLFLESPDFQPSIAKRYIDQKFVQQLLELFDSEDPREDFLKT
 LHRIYGFGLRAFIRKQINNIPLRFIYETEHFNGVAELLEILGSIINGFALPLKAEHKQFLMKVLIIPMH
 TAKGLALFHAQLAYCVVQFLEKDTTLTEPVIRGLLKFWPKTCSQKEVMFLGIEEILDVIEPTQFKKIEE
 PLFKQISKCVSSSHFQVAERALYFWNNEYILSLIEENIDKILPIMFASLYKISKEHWNQTIIVALVYNVLK
 TLMEMNGKLFDDLTSSYKAERQREKKELEREELWKKLEELQLKKALEKQNNAYNMHSIRSSTSAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_144880

ORF Size: 1461 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.

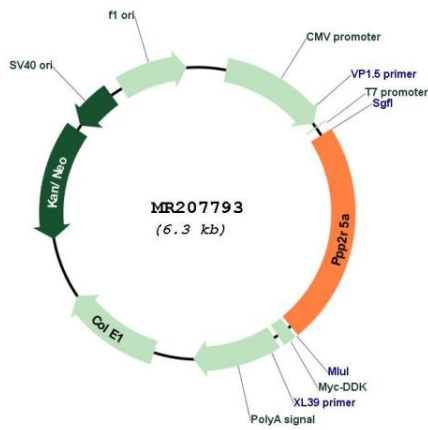
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_144880.4, NP_659129.2](#)
 RefSeq Size: 3082 bp
 RefSeq ORF: 1461 bp
 Locus ID: 226849
 UniProt ID: [Q6PD03](#)
 Cytogenetics: 1 H6
 MW: 56.3 kDa

Gene Summary: The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207793