

Product datasheet for **MR207478**

PPP2R5E (NM_012024) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5E (NM_012024) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2R5E
Synonyms:	4633401M22Rik; AI449017; B56beta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR207478 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTCAGCACCAACTACTCCTCCATCAGTGGATAAAGTAGACGGATTTTCTCGGAAGTCCGTCAGAA
 AAGCCAGACAGAAGAGGTTCGCAAAGCTCCTCCAGTTCAGGTCTCAAGGCAAGCCATTGAGCTCAGGCC
 TCTGCCACTGCTGAAAGACGTTCCAACCTCAGAGCAGCCTGAACTGTTCCATAAGAACTTCAGCAGTGC
 TGTGTCATTTTTGACTTCATGGACACGCTATCTGATCTTAAAAAGAAAGATAACAAGCGCTCCACTCTTA
 ATGAACTGGTGGACTACATTACAATAAGCAGAGGCTGTCTGACAGAGCAGACTTACCCTGAAGTAGTTAG
 AATGGTATCTTGAATATATTCAAGACTCTCCCTCCTAGTGACAGCAATGAATTCGACCCAGAAGAAGAT
 GAACCTACCCTCGAGGCATCATGGCCCCACTTACAGCTTGATATGAATTTTTCATAAGATTTTTGGAA
 GCCAAGAATTCCAACCCAGCATTGCCAAAAATACATAGATCAGAAATTTGTATTACAGCTTTTGGAGCT
 ATTTGACAGTGAAGACCCTCGAGAACGGGACTATTTAAAAACAGTCTTGACAGGATTTATGGCAAGTTT
 CTCGGGCTTAGAGCATTTATCCGAAAAACAAATTAACAATTTTTTCTAAGGTTTGTATTGAAACAGAAC
 ACTTCAATGGTGTAGCTGAACTGCTGGAATATTAGGAAGTATTCAATGGCTTTGCTTTACCACTCAA
 GGCAGAACACAAACAGTTCCTGGTGAAGTGTGATCCCTCTACACACTGTGAGGAGCTTGCTACTCTTT
 CATGCACAGCTGGCGTATTGTATAGTACAGTTTCTGGAGAAAGACCCTTCCCTTACAGAACCAGTTATTA
 GGGGGCTAATGAAATTTTGGCCTAAAACATGCAGTCAAAAAGAGGTCATGTTCTCGGGGAGCTGGAAGA
 AATCTTGGATGTGATTGAACCGTCACAATTTGTTAAAACCAAGAACCTTTGTTTAAACAAATTGCCAAG
 TGTGTTCTAGCCCCATTTTCAGGTGGCAGAAAGGGCACTCTATTATTGAATAATGAATACATCATGA
 GTTTGATAGAAGAAAACCTAACGTCATCCTTCCCATCATGTTCTCCAGCCTTTATAGGATTTCAAAGA
 GCATTGGAATCCGGCCATTGTGGCATTGGTGACAAACGTGTTGAAGGCATTTATGGAAATGAACAGCACT
 ATGTTTGTAGAGCTGACAGCCACATACAAGTCAGATCGTCAGCGTGAGAAAAAGAAAAGAGGAGCGAG
 AAGAAGCTGGAAAAAATTGGAGGATCTGGAGTTAAAGAGAGGTCTAGACGCGATGGGATAATTCCAAC
 T

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207478 protein sequence
 Red=Cloning site Green=Tags(s)

MSSAPTPPSVDKVDGFSRKSVRKARQKRSQSSSQFRSQGKPIELTPLPLLKDVPTSEPELFLKKLQQC
 CVIFDFMDLSDLKMKKEYKRSTLNELVDYITISRGLTEQTYPEVVRMVCNIFRTLPPSDSNEFDPEED
 EPTLEASWPHLQLVYEFFIRFLESQEFQPSIAKKYIDQKFLQLLELFDSEDPREPRDYLKTVLHRIYKGF
 LGLRAFIRKQINNIFLRFVYETEHFNGVAELLEILGSIINGFALPLKAEHKQFLVKVLIPLHTVRSLSLF
 HAQLAYCIVQFLEKDPSLTPVIRGLMKFWPKTCSQKEVMFLGELEEILDVIEPSQFVKIQEPLFKQIAK
 CVSSPHFQVAERALYYWNNYIMSLIEENSNVILPIMFSSLYRISKEHWNPAIVALVYVNLKAFMEMNST
 MFDELATYKSDRQREKKKEKEREELWKKLEDLELKRGLRRDGIPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

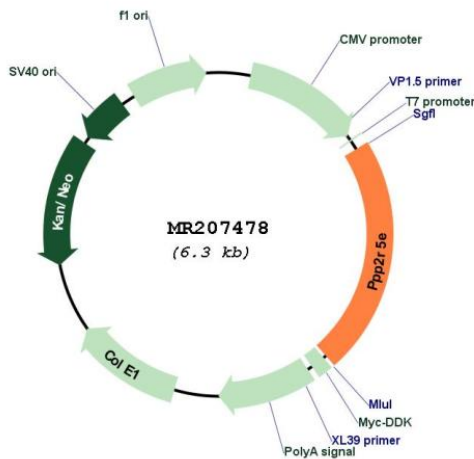
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_012024

ORF Size:

1404 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_012024.3](#)

RefSeq Size: 4841 bp

RefSeq ORF: 1404 bp

Locus ID: 26932

UniProt ID: [Q61151](#)

Cytogenetics: 12 C3

MW: 54.7 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. Interacts with cyclin G in vitro.[UniProtKB/Swiss-Prot Function]