

Product datasheet for **MG207478**

PPP2R5E (NM_012024) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5E (NM_012024) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP2R5E
Synonyms:	4633401M22Rik; AI449017; B56beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207478 representing NM_012024
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCCTCAGCACCAACTACTCCTCCATCAGTGGATAAAGTAGACGGATTTTCTCGGAAGTCCGTCAGAA
 AAGCCAGACAGAAGAGGTTCGCAAAGCTCCTCCAGTTCAGGTCTCAAGGCAAGCCATTGAGCTCAGCGC
 TCTGCCACTGCTGAAAGACGTTCCAACCTCAGAGCAGCCTGAACTGTTCCATAAGAACTTCAGCAGTGC
 TGTGTCATTTTTGACTTCATGGACACGCTATCTGATCTTAAAAAGAAAGAATACAAGCGCTCCACTCTTA
 ATGAACTGGTGGACTACATTACAATAAGCAGAGGCTGTCTGACAGAGCAGACTTACCCTGAAGTAGTTAG
 AATGGTATCTTGAATATATTCAGAACTCTCCCTCCTAGTGACAGCAATGAATTCGACCCAGAAGAAGAT
 GAACCTACCCTCGAGGCATCATGGCCCCACTTACAGCTTGATATGAATTTTTCATAAGATTTTGGAAA
 GCCAAGAATTCACCCAGCATTGCCAAAAATACATAGATCAGAAATTTGTATTACAGCTTTTGGAGCT
 ATTTGACAGTGAAGACCCTCGAGAACGGGACTATTTAAAAACAGTCTTGACAGGATTTATGGCAAGTTT
 CTCGGGCTTAGAGCATTTATCCGAAAACAAATTAACAATTTTTTCTAAGGTTTGTATTGAAACAGAAC
 ACTTCAATGGTGTAGCTGAACTGCTGAAAATATTAGGAAGTATTCAATGGCTTTGCTTTACCCTCAA
 GGCAGAACACAAACAGTTCCTGGTAAAAGTGTGATCCCTCTACACACTGTCCAGGAGCTTGCTCACTCTT
 CATGCACAGCTGGCGTATTGTATAGTACAGTTTCTGGAGAAAGACCCTTCCCTTACAGAACCAGTTATTA
 GGGGGCTAATGAAATTTTGGCCTAAAACATGCAGTCAAAAAGAGGTGATGTTCTCGGGGAGCTGGAAGA
 AATCTTGGATGTGATTGAACCGTCACAATTTGTTAAAACCAAGAACCCTTGTGTTAAACAAATTGCCAAG
 TGTGTTCTAGCCCCATTTTCAGGTGGCAGAAAGGGCACTCTATTATTGGAATAATGAATACATCATGA
 GTTTGATAGAAGAAAACCTAACGTCATCTTCCATCATGTTCTCCAGCCTTTATAGGATTTCAAAAAGA
 GCATTGGAATCCGGCCATTGTGGCATTGGTGTACAACGTGTTGAAGGCATTTATGAAAATGAACAGCACT
 ATGTTTGTAGAGCTGACAGCCACATACAAGTCAGATCGTCAGCGTGAGAAAAAGAAAAGGAGCGAG
 AAGAAGCTGGAAAAAATTGGAGGATCTGGAGTTAAAGAGAGGTCTTAGACGCGATGGGATAATTCCAAC
 T

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207478 representing NM_012024
 Red=Cloning site Green=Tags(s)

MSSAPTPPSVDKVDGFSRKSVRKARQKRSQSSSQFRSQKPIELTPLPLLKDVPTSEQPELFLKKLQQC
 CVIFDFMDTLDLKMKEYKRSTLNELVDYITISRGCLTEQTYPEVVRMVCNIFRTLPPSDSNEFDPEED
 EPTLEASWPHLQLVYEFFIRFLESQEFQPSIAKKYIDQKFLQLLELFDSEDPREPRDYLKTVLHRIYKGF
 LGLRAFIRKQINNIFLRFVYETEHEFNVAELLEILGSIINGFALPLKAEHKQFLVKVLIPLHTVRSLSLF
 HAQLAYCIVQFLEKDPSTLPEVIRGLMKFWPKTCSQKEVMFLGELEEILDVIEPSQFVKIQEPLFKQIAK
 CVSSPHFQVAERALYYWNEYIMSLIEENSNVILPIMFSSLYRISKEHWNPAIVALVYNNVLKAFMEMNST
 MFDELATYKSDRQREKKKEKEREELWKKLEDLELKRGLRRDGIPT

TRTRPLE - GFP Tag - V

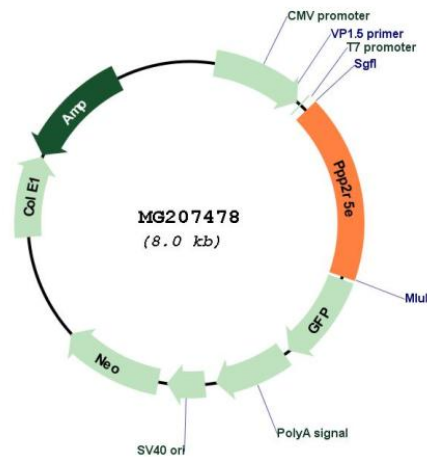
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012024

ORF Size: 1401 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

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]