

Product datasheet for **MG207057**

PPP2R2B (NM_027531) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R2B (NM_027531) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP2R2B
Synonyms:	2900026H06Rik; 6330404L05Rik; E130009M08Rik; PP2A-PR55B; PR55-BETA; SCA12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207057 representing NM_027531 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGGACATTGATACCCGAAAAACAACAACAGTTTCCTGCGGACCACAGCTATGCAACCGAAG
CTGACATTATCTACGGTAGAATCAACCACACGGGAGAGTTACTAGCGACGGGGACAAGGGGGTTCG
GGTCGTAATTTTCAGCGAGAACAGGAGAGTAAAAACCAGTTTCATCGTAGGGTGAATACAATGTTTAC
AGCACATTCAGAGCCATGAACCGAGTTCGATTACCTGAAAAGTTTAGAAATAGAAGAAAAATCAATA
AGATAAGATGGTCCCTCAACAAAACGCAGCTTACTTTCTGTCTACCAACGATAAACTGTGAAGCT
GTGAAAAGTCAGTGAGCGGGATAAGAGGCCAGAAGGCTACAACCTGAAAGATGAGGAGGGCCGGCTCCGG
GATCCTGCCACCATCACAAACCTGCGGGTGCCTGTCTGAGACCCATGGACCTGATGGTGGAGGCCACCC
CACGAAGAGTGTTTGCCAAATGCGCACACGTACCACATCAACTCTATATCTGTCAACAGCGACTATGAGAC
CTACATGTCTGTGATGACCTGAGGATTAATCTGTGGAACCTTGAGATAACCAATCAGAGTTTTAATATC
GTGGACATCAAGCCAGCCAACATGGAGGAGCTCACAGAGGTGATCACTGCAGCTGAGTCCACCCACC
ACTGCAACACCTTCGTATACAGCAGCAGCAAGGGGACAATCCGGCTGTGTGACATGCGTGATCTGCGCT
GTGTGACAGGCACACCAAGTTTTTTGAAGAACCAGGAGATCCAAGCAACAGATCGTTTTTCTCTGAAATC
ATCTCTCAATTCGGATGTGAAATTCAGCCACAGTGGGAGGTATCATGACCAGAGACTCTGACCCG
TGAAAGTCTGGACCTCAACATGGAAAATCGCCCCATTGAGACATACCAGGTTTCATGACTACCTCCGAG
CAAGTTGTGCTCCCTCTATGAAAACGACTGCATTTTTGATAAATTTGAGTGTGTATGGAATGGGTGAGAC
AGCGTCATCATGACAGGCTCCTACAATAACTTCTCAGGATGTTCCGACCGAAAACCAAGCGTGTGTGA
CCCTTGAGGCCTCAAGGGAAAACAGCAAACCCCGGGCTATCCTCAAACCCGAAAAGTGTGCGTCGGGGG
CAAGCGAAGAAAAGATGAGATCAGTGTTGACAGCTGGACTTTAGCAAAAAGATCTGCATACAGCTTGG
CATCCTTCAGAAAACATTATAGCAGTGGCGCTACGAATAACTTATATATTCCAAGACAAGGTTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_027531.2](#)

RefSeq Size: 2003 bp

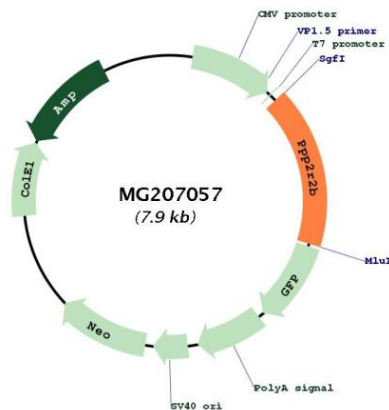
RefSeq ORF: 1332 bp

Locus ID: 72930

Cytogenetics: 18 B3

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. Within the PP2A holoenzyme complex, isoform 2 is required to promote proapoptotic activity. Isoform 2 regulates neuronal survival through the mitochondrial fission and fusion balance. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207057