

Product datasheet for **MR207057**

PPP2R2B (NM_027531) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | PPP2R2B (NM_027531) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | PPP2R2B |
| Synonyms: | 2900026H06Rik; 6330404L05Rik; E130009M08Rik; PP2A-PR55B; PR55-BETA; SCA12 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR207057 representing NM_027531
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGGAGGACATTGATACCCGCAAAATCAACAACAGTTTCTGCGCGACCACAGCTATGCAACCGAAG
 CTGACATTATCTCTACGGTAGAATTCAACCACACGGGAGAGTTACTAGCGACGGGGGACAAGGGGGTCTG
 GGTCTGTAATTTTCAGCGAGAACAGGAGAGTAAAAACCAGGTTTCATCGTAGGGGTGAATACAATGTTTAC
 AGCACATTCAGAGCCATGAACCCGAGTTCGATTACCTGAAAAGTTTAGAAAATAGAAGAAAAATCAATA
 AGATAAGATGGCTCCCTCAACAAAACGCAGCTTACTTTCTGTCTACCAACGATAAACTGTGAAGCT
 GTGGAAAGTCAGTGAGCGGGATAAGAGGCCAGAAGGCTACAACCTGAAAGATGAGGAGGGCCGGCTCCGG
 GATCCTGCCACCATCACAACCTGCGGGTGCCTGTCTGAGACCCATGGACCTGATGGTGGAGGCCACCC
 CACGAAGAGTGTGGCAATGCGCACACGTACCACATCAACTCTATATCTGTCAACAGCGACTATGAGAC
 CTACATGTCTGTGATGACCTGAGGATTAATCTGTGGAACCTTGTGATAACCAATCAGAGTTTTAATATC
 GTGGACATCAAGCCAGCCAACATGGAGGAGCTCAGAGGATGATCACTGCAGCTGAGTTCCACCCACC
 ACTGCAACACCTTCGTATACAGCAGCAGCAAGGGGACAATCCGGCTGTGTGACATGCGTGCATCTGCGCT
 GTGTGACAGGCACACCAAGTTTTTGAAGAACCGAAGATCCAAGCAACAGATCGTTTTTCTCTGAAATC
 ATCTCTCAATTCGGATGTGAAATTCAGCCACAGTGGGAGGTATATCATGACCAGAGACTATCTGACCG
 TGAAAGTCTGGGACCTCAACATGGAAAAATCGCCCCATTGAGACATACCAGGTTTCATGACTACCTCCGCG
 CAAGTTGTGCTCCCTCTATGAAAACGACTGCATTTTTGATAAATTTGAGTGTGTATGGAATGGGTGACAG
 AGCGTCATCATGACAGGCTCTACAATAACTTCTCAGGATGTTGACCGAAACCAAGCGTGTGTGGA
 CCCTTGAGGCCTCAAGGGAAAACAGCAAACCCCGGGCTATCCTCAAACCCGAAAAGTGTGCGTCCGGGG
 CAAGCGAAGAAAAGATGAGATCAGTGTGACAGTCTGGACTTTAGCAAAAAGATCTGCATACAGCTTGG
 CATCCTTCAGAAAACATTATAGCAGTGGCGGCTACGAATAACTTATATATATTCCAAGACAAGGTTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207057 representing NM_027531
 Red=Cloning site Green=Tags(s)

MEEDIDTRKINNSFLRDHSYATEADIISTVEFNHTGELLATGDKGGRVVFQREQESKNQVHRRGEYNVY
 STFQSHEPEFDYLSLEIEEKINKIRWLPQONAAAYFLLSTNDKTVKLVKVSERDKRPEGYNLKDEEGRLLR
 DPATITTLRVPVLRPMDLMVEATPRRVFANAHTYHINSISVNSDYETYMSADDLRINLWNFEITNQSFNI
 VDIKPANMEELTEVITAAEFPHHCNTFVYSSSGTIRLCMRASALCDRHTKFFEEPEDPSNRSFFSEI
 ISSISDVKFSHSGRYIMTRDYLTVKVDLNMENRPIETYQVHDYLRSKLCSLYENDCIFDKFECVWNGSD
 SVIMTGSYNFFRDFRNTKRDVTLASRENSKPRAILKPRKVCVGGKRRKDEISVDSLDFSKKILHTAW
 HPSENIIA VAATNNLYIFQDKVN

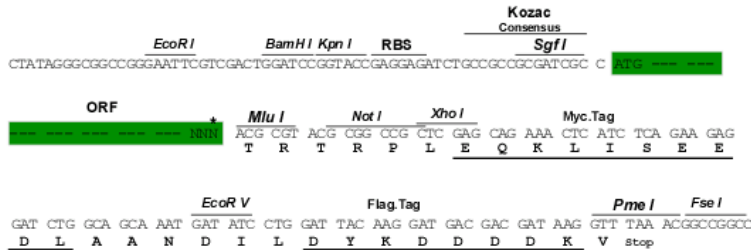
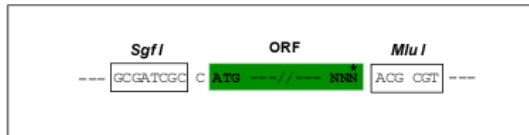
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027531

ORF Size: 1329 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_027531.2](#)

RefSeq Size: 2003 bp

RefSeq ORF: 1332 bp

Locus ID: 72930

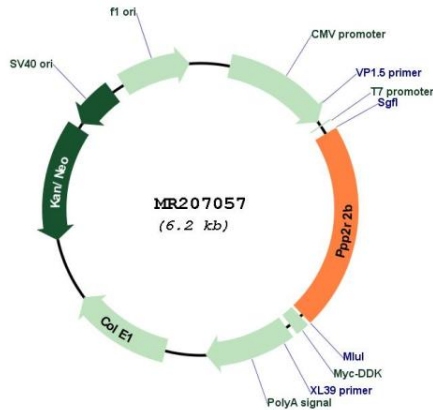
Cytogenetics: 18 B3

MW: 73.4 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. 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 MR207057