

Product datasheet for **MG201884**

PPP1R1B (NM_144828) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1r1b (NM_144828) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ppp1r1b
Synonyms: AU040756; Dar; DARP; DARPP-32; Darpp32
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201884 representing NM_144828
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACCCCAAGGACCGCAAGAAGATTCAGTTCTCTGTGCCCGCCCCGAGCCAGCTCGACCCCGAC
 AGGTGGAGATGATCCGGCGCCGGAGACCAACCCCTGCCATGCTTTCCGGGTCTCAGAGCACTCCTCACC
 AGAGGAGGAGGCCTCTCCACATCAGAGAACCTCTGGAGAGGGGCACCACCCAAAGTCGAAGAGACCAAC
 CCCTGTGCCTATACGCCCCATCACTGAAAGCTGTGCAGCACCTGCAGACCATTAGCAACTTGAGTGAGA
 ACCAGGCCTCGGAGGAAGAGGATGAGTTAGGGGAGCTTCGGGAGCTTGGGTACCCACAGGAGGATGATGA
 GGAGGATGAGGATGAAGAGGAGGACGAAGAAGAAGACAGCCAGGCGGAGGTCCTGAAAGGCAGCAGGGGC
 ACTGTGGGGCAGAAGCCTACTTGTGGCCGGGTCTGGAGGGGCCCTGGGAGCGCCCACTCTCTGGATG
 AGCCCCAGAGAGATGAAACTCTGAGGACCAAGTGAAGGCAGAGCAACACTAAGTGAGCCTGGAGAGGA
 ACCTCAGCATCCCAGCCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201884 representing NM_144828
 Red=Cloning site Green=Tags(s)

MDPKDRKKIQFSVPAPPSQLDPRQVEMIRRRRPTPAMLFVSEHSSPEEEASPHQRTSGEGHHPKSKRPN
 PCAYTPPSLKAQVHLQTIISNLSENQASEEDELGELRELGYQEDDEEDEDDEEEDSQAQVLEKGSRG
 TVGQKPTCGRGLGEPWPPPLDEPQRDGNSEDQVEGRATLSEPGEEPQHPSP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_144828.2](#)

RefSeq Size: 1682 bp

RefSeq ORF: 585 bp

Locus ID: 19049

UniProt ID: [Q60829](#)

Cytogenetics: 11 D

Gene Summary: This gene encodes a bifunctional signal transduction molecule. Dopaminergic and glutamatergic receptor stimulation regulates its phosphorylation and function as a kinase or phosphatase inhibitor. As a target for dopamine, this gene may serve as a therapeutic target for neurologic and psychiatric disorders in humans. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]