

Product datasheet for **RN205936**

PPP1R1B (NM_138521) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1r1b (NM_138521) Rat Untagged Clone
Tag: Tag Free
Symbol: Ppp1r1b
Synonyms: Darpp-32; Darpp32
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN205936 representing NM_138521
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCCAAGGACCGCAAGAAGATCCAGTTCTCTGTGCCCGCCCGGAGCCAGCTCGACCCCGAC
AGGTGGAGATGATCCGGCGCCGGAGGCCAACCCCTGCCTTGCTGTTCCGGGTCTCAGAGCATTCTCGCC
AGAGGAGGAGTCTCTCCGCACCAGAGAACCTCAGGAGAGGGGCACCACCAAAGTGAAGAGACCCAAAC
CCCTGTGCCTACACTCCCCATCACTGAAAGCTGTGCAACGCATCGCTGAGTCCCACCTGCAGACCATCA
GCAACCTGAGTGAGAACCAGGCCTCGGAGGAAGAGGACGAGTTAGGGGAGCTTCGGGAGCTGGGGTATCC
ACAAGAGGATGATGAAGAGGATGAGGACGAGGATGAAGAGGAGGACGAAGAAGAAGACAGCCAGCCGGAG
GTCTGAAAGGCAGCAGGGGACTGCGGGGCAGAAGCTTACTTCTGGCCAGGGTCTGGAGGGGCCCTGGG
AGCGCCCACCTCTCTGGATGAGCCCCAGAGAGATGAAACTCTGAGGACCAAGGGGAAGGCAGAGCAAC
ACAAAGTGAGCCGGGAGAGGAGCCTCGGCACCCTACCCCCCTGAGTCCGGCACATA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_138521
Insert Size: 618 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_138521.1</u> , <u>NP_612530.1</u>
RefSeq Size:	1764 bp
RefSeq ORF:	618 bp
Locus ID:	360616
UniProt ID:	<u>Q6J4I0</u>
Cytogenetics:	10q31
Gene Summary:	potent inhibitor of protein phosphatase 1 (PP1); may play a role in maintaining the levels of excitability of NMDA receptors [RGD, Feb 2006]