

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 >MG201884 representing NM_144828

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACCTCAGCATCCCAGCCCCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201884 representing NM_144828

Red=Cloning site Green=Tags(s)

MDPKDRKKIQFSVPAPPSQLDPRQVEMIRRRRPTPAMLFRVSEHSSPEEEASPHQRTSGEGHHPKSKRPN PCAYTPPSLKAVQHLQTISNLSENQASEEEDELGELRELGYPQEDDEEDEDEEEDESQAEVLKGSRG

TVGQKPTCGRGLEGPWERPPPLDEPQRDGNSEDQVEGRATLSEPGEEPQHPSPP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



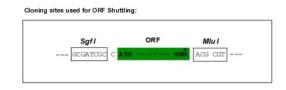
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

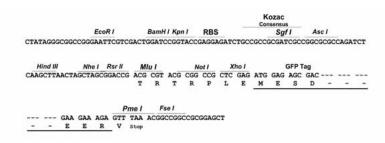
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

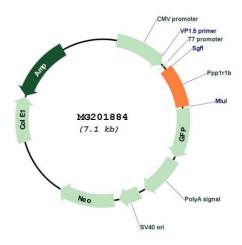


Cloning Scheme:





Plasmid Map:



ACCN: NM_144828

ORF Size: 582 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: <u>NM 144828.2</u>

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]