

Product datasheet for **RG233646**

PPP1R3B (NM_001201329) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PPP1R3B (NM_001201329) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PPP1R3B
Synonyms: GL; PPP1R4; PTG
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233646 representing NM_001201329
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGCTGTGGACATCGAGTACAGATACAACCTGCATGGCTCCTTCCTTGGCCAAGAGAGGTTTGCCT
TTAAGATCTCACAAAGCCAGCAAACCACTGAGGCCTTGATTTCAGCTGAGCAGCAAGAATGAAGCCAG
TGAATGGTGGCCCCGGCTGTCCAGGAGAAGAAGGTGAAAAGCGGGTGTCTTCGCAGACAACCAGGGG
CTGGCCCTGACAATGGTCAAAGTGTCTCGGAATTCGATGACCCGCTAGATATGCCATTCACATCACCC
AGCTCCTAGACAACATTGTGAGCTTGACGACAGCAGAGAGCGAGAGCTTTGTTCTGGATTTTCCCAGCC
CTCTGCAGATTACTTAGACTTTAGAAATCGACTTCAGGCCGACCACGTCTGCCTTGAGAAGTGTGTGCTC
AAGGACAAGGCCATTGCAGGCACTGTGAAGTTTCAAGACCTCGCATTGAGAAGCCGTGAAAATAAGGA
TGACGTTTCGACACCTGGAAGAGCTACACAGACTTTCCTTGTCAGTACGTGAAGGACACTTATGCCGGTTC
AGACAGGGACACGTTCTCCTTCGACATCAGCTTGCCCCGAGAAGATTTCAGTCTTATGAAAGAATGGAGTTT
GCTGTGTACTACGAGTGAATGGACAGACGTAAGGACGCAACAGAGGCAAGAAGTATAGGATCATCC
GGGCTGAGTTAAAATCTACCCAGGGAATGACCAAGCCCCACAGTGGACCGGATTTGGGAATATCCTTTGA
CCAGTTCGGAAGCCCTCGGTGTTCTATGGTCTGTTTCCAGAGTGGCCAAGTTACTTAGGATATGAAAAG
CTAGGGCCCTACTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233646 representing NM_001201329
Red=Cloning site Green=Tags(s)

MMAVDIEYRYNCMAPSLRQERFAFKISPKPSKPLRPCIQLSSKNEASGMVAPAVQEKKVKKRVSFADNQG
 LALTMVKVFSEFDDPLDMPFNI TELLDNIVSLTAESESVLDFSQPSADYLDFRNRLQADHVCLENCVL
 KDKAIAIGTVKVNLA FEKTVKIRMTFDTWKS YTD FPCQYVKD TYAGSDRDTFSFDISLPEKIQSYERMEF
 AVYYECNGQTYWDSNRGKNYRIIRAELKSTQGMTKPHSGPDLGISFDQFGSPRC SYGLFPEWPSYLGYEK
 LGPYY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001201329

ORF Size: 855 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_001201329.2](#)

RefSeq Size: 5722 bp

RefSeq ORF: 858 bp

Locus ID: 79660

UniProt ID: [Q86X16](#)

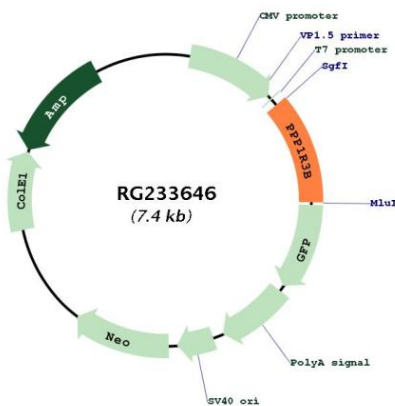
Cytogenetics: 8p23.1

Protein Families: Druggable Genome, Phosphatase

Protein Pathways: Insulin signaling pathway

Gene Summary: This gene encodes the catalytic subunit of the serine/threonine phosphatase, protein phosphatase-1. The encoded protein is expressed in liver and skeletal muscle tissue and may be involved in regulating glycogen synthesis in these tissues. This gene may be involved in type 2 diabetes and maturity-onset diabetes of the young. Alternate splicing results in multiple transcript variants that encode the same protein.[provided by RefSeq, Jan 2011]

Product images:



Circular map for RG233646