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Product datasheet for RC233646

PPP1R3B (NM_001201329) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R3B (NM_001201329) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP1R3B
Synonyms:	GL; PPP1R4; PTG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC233646 representing NM_001201329
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGGCTGTGGACATCGAGTACAGATACAACTGCATGGCTCCTTCCTTGCGCCAAGAGAGGTTTGCCT
TTAAGATCTCACCAAAGCCCAGCAAACCACTGAGGCCTTGTATTCAGCTGAGCAGCAAGAATGAAGCCAG
TGGAATGGTGGCCCCGGCTGTCCAGGAGAAGAAGGTGAAAAAGCGGGTGTCCTTCGCAGACAACCAGGGG
CTGGCCCTGACAATGGTCAAAGTGTTCTCGGAATTCGATGACCCGCTAGATATGCCATTCAACATCACCG
AGCTCCTAGACAACATTGTGAGCTTGACGACAGCAGAGAGCGAGAGCTTTGTTCTGGATTTTTCCCAGCC
CTCTGCAGATTACTTAGACTTTAGAAATCGACTTCAGGCCGACCACGTCTGCCTTGAGAACTGTGTGCTC
AAGGACAAGGCCATTGCAGGCACTGTGAAGGTTCAGAACCTCGCATTTGAGAAGACCGTGAAAATAAGGA
TGACGTTCGACACCTGGAAGAGCTACACAGACTTTCCTTGTCAGTACGTGAAGGACACTTATGCCGGTTC
AGACAGGGACACGTTCTCCTTCGACATCAGCTTGCCCGAGAAGATTCAGTCTTATGAAAGAATGGAGTTT
GCTGTGTACTACGAGTGCAATGGACAGACGTACTGGGACAGCAACAGAGGCAAGAACTATAGGATCATCC
GGGCTGAGTTAAAATCTACCCAGGGAATGACCAAGCCCCACAGTGGACCGGATTTGGGAATATCCTTTGA
CCAGTTCGGAAGCCCTCGGTGTTCCTATGGTCTGTTTCCAGAGTGGCCAAGTTACTTAGGATATGAAAAG
CTAGGGCCCTACTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

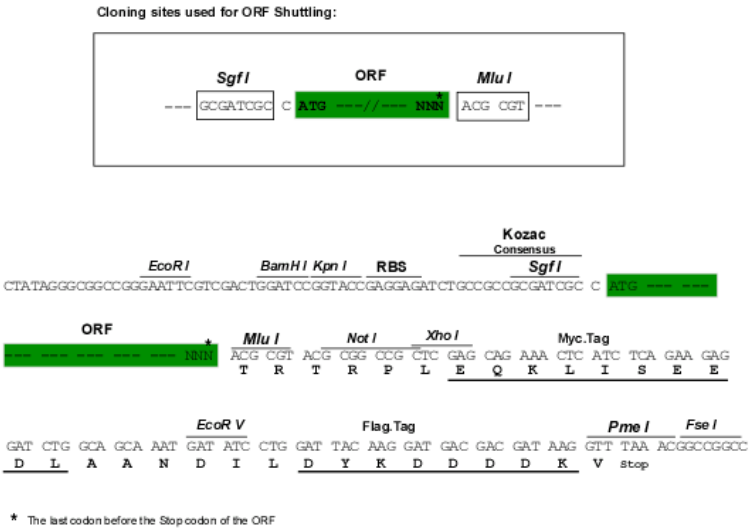
>RC233646 representing NM_001201329
Red=Cloning site Green=Tags(s)

MMAVDIEYRYNCMAPSLRQERFAFKISPKPSKPLRPCIQLSSKNEASGMVAPAVQEKKVKKRVSFADNQG
LALTMVKVFSEFDDPLDMPFNITELLDNIVSLTTAESESFVLDFSQPSADYLDFRNRLQADHVCLENCVL
KDKAIAGTVKVQNLAFEKTVKIRMTFDTWKSYTDFPCQYVKDTYAGSDRDTFSFDISLPEKIQSYERMEF
AVYYECNGQTYWDSNRGKNYRIIRAELKSTQGMTKPHSGPDLGISFDQFGSPRCSYGLFPEWPSYLGYEK
LGPYY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001201329

ORF Size: 855 bp

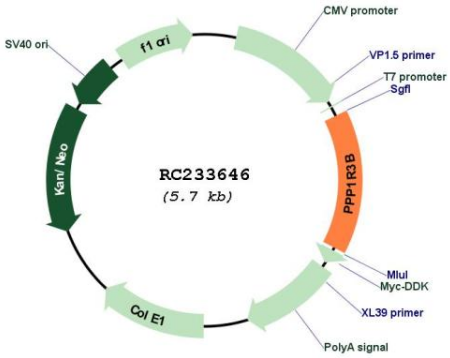
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	Q86XI6
Cytogenetics:	8p23.1
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Insulin signaling pathway
MW:	33.1 kDa
Gene Summary:	This gene encodes the catalytic subunit of the serine/theonine 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 a 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 RC233646