

Product datasheet for **SC112117**

PPP1R3B (NM_024607) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R3B (NM_024607) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R3B
Synonyms:	GL; PPP1R4; PTG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_024607 edited
TGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCATTTAGGTGACACTA
TAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCAATTCGGCAGCAGGCTCTCCGA
TGCGGCGAGCGAGCTGGGGAGGGGCTTCTCCGCGGCCAAAAGGTTCTAGCCTGTTCA
TCTAGCCCATGATGGCTGTGGACATCGAGTACAGATACAACCTGCATGGCTCCTTCTTG
CGCCAAGAGAGGTTTGCCTTTAAGATCTCACAAAGCCCAGCAAACCACTGAGGCCTTGT
ATTCAGCTGAGCAGCAAGAATGAAGCCAGTGGAATGGTGGCCCCGGCTGTCCAGGAGAAG
AAGGTGAAAAAGCGGGTGTCTTCGCAGACAACCAGGGGCTGGCCTGACAATGGTCAA
GTGTTCTCGGAATTCGATGACCCGCTAGATATGCCATTCAACATCACCGAGCTCCTAGAC
AACATTGTGAGCTTGACGACAGCAGATAGCGAGAGCTTTGTTCTGGATTTTTCCAGCCC
TCTGCAGATTACTTAGACTTTAGAAATCGACTTCAGGCCGACCAGTCTGCCTTGAGAAC
TGTGTGCTCAAGGACAAGGCCATTGCAGGCACTGTGAAGTTTCAGAACCTCGCATTGAG
AAGACCGTGAAAATAAGGATGACGTTTCGACACCTGGAAGAGCTACACAGACTTTCCTTGT
CAGTACGTGAAGGACACTTATGCCGGTTTCAGACAGGGACACGTTCTCCTTCGACATCAGC
TTGCCCGAGAAGATTCAGTCTTATGAAAGAATGGAGTTTGTGTACTACGAGTGCAAT
GGACAGACGTAAGGACAGCAACAGAGGCAAGAACTATAGGATCATCCGGGCTGAGTTA
AAATCTACCCAGGGAATGACCAAGCCCCACAGTGGACCGGATTTGGGAATATCCTTTGAC
CAGTTCGGAAGCCCTCGGTGTTCTATGGTCTGTTTCCAGAGTGGCCAAGTTACTTAGGA
TATGAAAAGCTAGGGCCCTACTACTAGTGACTGCAGGTGACAGGGCGTGGCGGAGCTGCC
ACAGACACACTAGCTCTGCTCACTGTGCAGTGGAGATGGAAGGCCAGGGAGGAGCAACG
TGGAACCTCCATGAGGCCCGTTTGGGAAAATAAAGGATCCTCTTCACTTCTTTCTTAA
ACAGCAAATCCAGCCAGGTTTCAGATTACACAACCAAGTGTCTCACTCAAAGGAGCAGTGGT
GGCTGGCGCGCTTTCGCACTGTGGCAGCCACGAGAGTCTGTGCACGTCTGTGCTGGAAG
GGTATGGATGGGAATCAAGCCTATGCCAGTGCTGATGAAGCT



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024607 unedited ATATCCCCGCCCNAGNCGCAATGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGC AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG AATTCCGGCAGGAGGCTCTCCGATGCGGCCGAGCGAGCTGGGGAGGGGGCTTCTCCGCGGCC CAAAAGGGTCTAGCCTGTTTCATCTAGCCCCATGATGGCTGTGGACATCGAGTACAGATA CAACTGCATGGCTCCTTCCTTGCGCCAAGAGAGGTTTGCCTTTAAGATCTACCAAGCC CAGCAAACCACTGAGGCCTTGTATTGAGCTGAGCAGCAAGAATGAAGCCAGTGGAAATGGT GGCCCCGGCTGTCCAGGAGAAGAAGGTGAAAAAGCGGGTGTCTTCGACAGACAACCAGGG GCTGGCCCTGACAATGGTCAAAGTGTCTCGGAATTCGATGACCCGCTAGATATGCCATT CAACATCACCGAGCTCCTAGACAACATTGTGAGCTTGACGACAGCAGATAGCGAGAGCTT TGTCTGGATTTTTCCAGCCCTCTGCAGATTACTTAGACTTTAGAAATCGACTTCAGGC CGACCAGCTCTGCCTTGAGAACTGTGTGCTCAAGGACAAGGCCATTGCAGGCACTGTGAA GGTTCCAGAACCTCGCATTTGAGAAGACCGTGAATAAGGATGACGTTTCGACACCTGNAAG AGCTACACAGACTTTCCTTGTCAGTACGTGAAGGACACTTATGCCNNGTTCAGACAGGGA CACGTTCTCCTTCGACATCAGCTTGCCCGAGAAGATTCAGTCTTATGAAGATGGGAGTT NGCTGTGTCTACGAGTGCATGGAACAGACGTAAGGACAGCAGAGGCGAGACTCTTA GGATCATCCGGGCTGAGTTAAATCTACCAGGNATGACCAGCCCATGNACGGATTNGGA A
Restriction Sites:	NotI-NotI
ACCN:	NM_024607
Insert Size:	3700 bp
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:	NM_024607.1 , NP_078883.1
RefSeq Size:	3807 bp
RefSeq ORF:	858 bp
Locus ID:	79660
UniProt ID:	Q86XI6
Cytogenetics:	8p23.1
Domains:	CBM_21

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]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.