

## Product datasheet for **SC331407**

### PPP1R3B (NM\_001201329) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PPP1R3B (NM\_001201329) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PPP1R3B  
**Synonyms:** GL; PPP1R4; PTG  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331407 representing NM\_001201329.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATGGCTGTGGACATCGAGTACAGATACAACACTGCATGGCTCCTTCCTTGCGCCAAGAGAGGTTTGCC
TTTAAGATCTCACCAAAGCCCAGCAAACCACTGAGGCCTTGATTTCAGCTGAGCAGCAAGAATGAAGCC
AGTGGAATGGTGGCCCCGGCTGTCCAGGAGAAGAAGGTGAAAAAGCGGGTGTCTTCGCAGACAACCAG
GGGCTGGCCCTGACAATGGTCAAAGTGTCTCGGAATTCGATGACCCGCTAGATATGCCATTCAACATC
ACCGAGCTCCTAGACAACATTGTGAGCTTGACGACAGCAGAGAGCGAGAGCTTTGTTCTGGATTTTTCC
CAGCCCTCTGCAGATTACTTAGACTTTAGAAATCGACTTCAGGCCGACCAGCTCTGCCTTGAGAAGTGT
GTGCTCAAGGACAAGGCCATTGCAGGCACTGTGAAGGTTTCAGAACCTCGCATTTGAGAAGACCGTGAAA
ATAAGGATGACGTTTCGACACCTGGAAGAGCTACACAGACTTTCCTTGTCAGTACGTGAAGGACACTTAT
GCCGGTTCAGACAGGGACACGTTCTCCTTCGACATCAGCTTGCCCGAGAAGATTAGTCTTATGAAAGA
ATGGAGTTTGCTGTGACTACGAGTGAATGGACAGACGTAAGGACAGCAACAGAGGCAAGAAGTAT
AGGATCATCCGGGCTGAGTTAAATCTACCCAGGGAATGACCAAGCCCCACAGTGGACCGGATTTGGGA
ATATCCTTTGACCAGTTCGGAAGCCCTCGGTGTTTCCTATGGTCTGTTTCCAGAGTGGCCAAGTTACTTA
GGATATGAAAAGCTAGGGCCCTACTACTAG
```

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001201329  
**Insert Size:** 858 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).



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<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001201329.1</u>
<b>RefSeq Size:</b>	5722 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	79660
<b>UniProt ID:</b>	<u>Q86XI6</u>
<b>Cytogenetics:</b>	8p23.1
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>Protein Pathways:</b>	Insulin signaling pathway
<b>MW:</b>	32.7 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. 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.</p>