

Product datasheet for **SC302727**

PPM1B (NM_001033557) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PPM1B (NM_001033557) Human Untagged Clone
Tag: Tag Free
Symbol: PPM1B
Synonyms: PP2C-beta; PP2C-beta-X; PP2CB; PP2CBETA; PPC2BETAX
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001033557, the custom clone sequence may differ by one or more nucleotides

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ATGGGTGCATTTTTGGATAAACCCAAAACCTGAAAAACATAATGCTCATGGTGCTGGGAAT
GGTTTACGTTATGGCCTGAGCAGCATGCAAGGATGGAGAGTGAAATGGAAGATGCACAC
ACAGCTGTTGTAGGTATTCCTCACGGCTTGAAGACTGGTCATTTTTTGCAGTTTATGAT
GGTCATGCTGGATCCCGAGTGGCAAATTACTGCTCAACACATTTATTAGAACACATCACT
ACTAACGAAGACTTTAGGGCAGCTGAAAAATCAGGATCTGCTCTTGAGCTTTCAGTGGAA
AATGTTAAGAATGGTATCAGAACTGGATTTTTGAAAATTGATGAATACATGCGTAACTTT
TCAGACCTCAGAAACGGGATGGACAGGAGTGGTCAACTGCAGTGGGAGTTATGATTTCA
CCTAAGCATATCTACTTTATCAACTGTGGTGATTCACGTGCTGTTCTGTATAGGAATGGA
CAAGTCTGCTTTTCTACCCAGGATCACAAACCTTGCAATCCAAGGGAAAAGGAGCGAATC
CAAAATGCAGGAGGCAGCGTGATGATACAACGTGTTAATGGTTTCATTAGCAGTATCTCGT
GCTCTGGGGGACTATGATTACAAGTGTGTTGATGGCAAGGGCCCAACAGAACAACCTGTT
TCTCCAGAGCCTGAGGTTTATGAAATTTAAGAGCAGAAGAGGATGAATTTATCATCTTG
GCTTGTGATGGGATCTGGGATGTTATGAGTAATGAGGAGCTCTGTGAATATGTTAAATCT
AGGCTTGAGGTATCTGATGACCTGGAAAATGTGTGCAATTGGGTAGTGGACACTTGTTTA
CACAAAGGAAGTCGAGATAACATGAGTATTGTAAGTTGCTTTTCAAATGCTCCCAAG
GTCTCAGATGAAGCGGTGAAAAAAGATTAGAGTTGGATAAGCACTTGAATCACGGGTT
GAAGAGATTATGGAGAAGTCTGGCGAGGAAGGAATGCCTGATCTTGCCCATGTCATGCGC
ATCTTGCTGCAGAAAATATCCCAAATTTGCCTCCTGGGGGAGGTCTTGCTGGCAAGCGT
AATGTTATTGAAGCTGTTTATAGTAGACTGAATCCACATAGAGAAAGTATGGGCAGAAA
TGA
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Restriction Sites: Please inquire
ACCN: NM_001033557
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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001033557.1 , NP_001028729.1
RefSeq Size:	3056 bp
RefSeq ORF:	1143 bp
Locus ID:	5495
UniProt ID:	O75688
Cytogenetics:	2p21
Protein Families:	Druggable Genome, Phosphatase, Stem cell - Pluripotency
Protein Pathways:	MAPK signaling pathway
Gene Summary:	<p>The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase has been shown to dephosphorylate cyclin-dependent kinases (CDKs), and thus may be involved in cell cycle control. Overexpression of this phosphatase is reported to cause cell-growth arrest or cell death. Alternative splicing results in multiple transcript variants encoding different isoforms. Additional transcript variants have been described, but currently do not represent full-length sequences. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (5) contains an alternate 3' terminal exon, and it thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (5) has a distinct C-terminus and is shorter than isoform 1.</p>