

## Product datasheet for SC317574

### PPM1L (NM\_139245) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPM1L (NM_139245) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPM1L
Synonyms:	PP2C-epsilon; PP2CE; PPM1-LIKE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317574 representing NM_139245. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**  
 ATGATAGAGGATACAATGACTTTGCTGTCTCTGCTGGGTCGCATCATGCGCTACTTCTTGCTGAGACCC  
 GAGACGCTTTTCTGCTGTGCATCAGCTTGCTCTATGGAGTTACTTCTCCACACCGACGAGGTGAAG  
 ACCATCGTGAAGTCCAGCCGGGACGCCGTGAAGATGGTGAAGGGCAAGGTAGCCGAGATCATGCAGAAC  
 GATCGACTCGGGGGCTTGATGTGCTCGAGGCCGAGTTTTCCAAGACCTGGGAGTTCAAGAACCACAAC  
 GTGGCGGTGTAATCCATCCAGGGCCGAGAGACCACATGGAGGACCGCTTCAAGTTCTCACGGATCTG  
 GCCAACAGACGCACCCGTCCATCTTCGGGATCTTCGACGGGCACGGGGAGAGACTGCAGCTGAATAT  
 GTAAAATCTCGACTCCCAGAGGCCCTTAACAGCATCTTCAGGACTACGAGAAAGACAAAGAAAATAGT  
 GTATTATCTTACCAGACCATCCTTGAACAGCAGATTTTGTCAATTGACCGAGAAATGCTAGAAAAATTG  
 ACTGTATCCTATGATGAAGCAGGCACAACGTGTTTGATTGCTCTGCTATCAGATAAAGACCTCACTGTG  
 GCCAACGTGGGTGACTCGCGCGGGTCTGTGTGACAAAGATGGGAACGCTATTCCTTTGTCTCATGAT  
 CACAAGCCTTACCAGTTGAAGGAAAGAAAGAGGATAAAGAGAGCAGGTGGTTTCATCAGTTTCAATGGC  
 TCCTGGAGGGTCCAGGAATCCTGGCCATGTCTCGGTCCCTGGGGATTATCCGCTGAAAAATCTCAAC  
 GTGGTCATCCCAGACCCAGACATCCTGACCTTTGACCTGGACAAGCTTCAGCCTGAGTTCATGATCTTG  
 GCATCAGATGGTCTCTGGGATGCTTTAGCAATGAAGAAGCAGTTCGATTCATCAAGGAGCGCTTGGAT  
 GAACCTCACTTTGGGGCCAAGAGCATAGTTTTACAGTCATTTTACAGAGGCTGCCCTGACAAATATAACA  
 GTCATGGTGGTGAAGTTCAGAAATAGCAGCAAAACAGAAGAGCAG**TGA**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_139245


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<b>Insert Size:</b>	1083 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<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><a href="#">NM_139245.3</a></u>
<b>RefSeq Size:</b>	10945 bp
<b>RefSeq ORF:</b>	1083 bp
<b>Locus ID:</b>	151742
<b>UniProt ID:</b>	<u><a href="#">Q5SGD2</a></u>
<b>Cytogenetics:</b>	3q25.33-q26.1
<b>Domains:</b>	PP2C
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>MW:</b>	41.1 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a magnesium or manganese-requiring phosphatase that is involved in several signaling pathways. The encoded protein downregulates apoptosis signal-regulating kinase 1, a protein that initiates a signaling cascade that leads to apoptosis when cells are subjected to cytotoxic stresses. This protein also is an endoplasmic reticulum transmembrane protein that helps regulate ceramide transport from the endoplasmic reticulum to the Golgi apparatus. Finally, this gene may be involved in adiposity since it is upregulated in adipose tissues. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). 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>