

Product datasheet for **SC125344**

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
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_139245, the custom clone sequence may differ by one or more nucleotides

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ATGATAGAGGATACAATGACTTTGCTGTCTCTGCTGGGTCGCATCATGCGCTACTTCTTGCTGAGACCCG
AGACGCTTTTCTGCTGTGCATCAGCTTGGCTCTATGGAGTTACTTCTCCACACCGACGAGGTGAAGAC
CATCGTGAAGTCCAGCCGGGACGCCGTGAAGATGGTGAAGGGCAAGGTAGCCGAGATCATGCAGAACGAT
CGACTCGGGGGGCTTGATGTGCTCGAGGCCGAGTTTTCCAAGACCTGGGAGTTCAAGAACCACAACGTGG
CGGTGTAATCCATCCAGGGCCGAGAGACCACATGGAGGACCGCTTCAAGTTCTCACGGATCTGGCCAA
CAAGACGCACCCGTCCATCTTCGGGATCTTCGACGGGCACGGGGGAGAGACTGCAGCTGAATATGTAAAA
TCTCGACTCCCAGAGGCCCTTAAACAGCATCTTCAGGACTACGAGAAAAGCAAAGAAAATAGTGTATTAT
CTTACCAGACCATCCTTGAACAGCAGATTTTGTCAATTGACCGAGAAAATGCTAGAAAAATTGACTGTATC
CTATGATGAAGCAGGCACAACGTGTTTGTGCTCTGCTATCAGATAAAGACCTCACTGTGGCCAACGTG
GGTGACTCGCGCGGGTCTGTGTGACAAAGATGGGAACGCTATTCCTTTGTCTCATGATCACAAGCCTT
ACCAGTTGAAGGAAAGAAAGAGGATAAAGAGAGCAGGTGGTTTCATCAGTTTCAATGGCTCCTGGAGGT
CCAGGGAATCCTGGCCATGTCTCGGTCCCTGGGGATTATCCGCTGAAAAATCTCAACGTGGTCATCCCA
GACCCAGACATCCTGACCTTTGACCTGGACAAGCTTCAGCCTGAGTTCATGATCTTGGCATCAGATGGTC
TCTGGGATGCTTTTCAGCAATGAAGAAGCAGTTTCGATTCATCAAGGAGCGCTTGGATGAACCTCACTTTGG
GGCCAAGAGCATAGTTTTACAGTCATTTTACAGAGGCTGCCCTGACAATATAACAGTCATGGTGGTGAAG
TTCAGAAATAGCAGCAAAACAGAAGAGCAGTGA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_139245 unedited AGGTTCACTGCTCTTCTGTTTTGCTGCTATTTCTGAACTTCACCACCATGACTGTTATAT TGTCAGGGCAGCCTCTGTAAAATGACTGTAAAACATATGCTCTTGGCCCCAAAGTGAGGTT CATCCAAGCGCTCCTTGATGAATCGAACTGCTTCTTATTGCTGAAAGCATCCCAGAGAC CATCTGATGCCAAGATCATGAACTCAGGCTGAAGCTTGTCCAGGTCAAAGTCAGGATGT CTGGGTCTGGGATGACCACGTTGAGATTTTTACGCGGATAATCCCCAGGGACCGAGACA TGGCCAGGATTCCCTGGACCCTCCAGGAGCCATTGAAACTGATGAAACCACCTGCTCTCT TTATCCTCTTTCTTCTTCAACTGGTAAGGCTTGTGATCATGAGACAAAGGAATAGCGT TCCCATCTTTGTACACAGGACCCCGCGGAGTCAACCACGTTGGCCACAGTGAGGTCTT TATCTGATAGCAGAGCAATCAAACACGTTGTGCCTGCTTCATCATANGATAACAAGTCAAT TTTCTAGCCTTTCTGGTCCATTTGACAAAATCTGGCTGTCAAAGATGGTTCCGGTAA GAAAATCCACCAATTTCTTTGGCCTTTCCGCGAAATCCCGGAGGAAGCCGGTTAAANG GGCCTTCTGGGAAGTCAAAGATTAACCATATTTCAAGTGCAGTCTTTTCCCCCGTGC CCGTTCAAAAATCCCCAAATATGGCACCGGTCCGCTCTTGGTGGCCACATTCCCGGA GAACT
Restriction Sites:	Please inquire
ACCN:	NM_139245
Insert Size:	2700 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_139245.1 , NP_640338.1
RefSeq Size:	3056 bp
RefSeq ORF:	546 bp
Locus ID:	151742
UniProt ID:	Q5SGD2
Cytogenetics:	3q25.33-q26.1
Domains:	PP2C
Protein Families:	Druggable Genome, Phosphatase

Gene Summary:

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]

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.