

Product datasheet for **SC128041**

PPM1E (NM_014906) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPM1E (NM_014906) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPM1E
Synonyms:	caMKN; CaMKP-N; CAMKPN; POPX1; PP2CH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC128041 sequence for NM_014906 edited (data generated by NextGen Sequencing)

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ATGGCCGGCTGCATCCCTGAGGAGAAAACCTACCGGCGCTTCTGGAGCTATTCCTGGGC
GAGTTTCGCGGACCGTGCGGCGGCGGAGCCGGAGCCGGAACCCGAACCCGAACCCGAA
CCCGAACCCGGTCCGAGCCCGAGCCGAACTGAACTGGTAGAAGCTGAGGCGGCCGAG
GCTTCGGTAGAGGAACCCGGGGAGGAGGCGCCACGGTAGCCGCGACGGAGGAGGGGAC
CAGGAGCAAGACCCGGAGCCCGAGGAGGAGGCGCGGTTGAGGGTGAGGAGGAGGAGGAG
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CTGCCGCCTTTGCCCCGCTCCCGCAGCCGCTGTGAGAGCGCATACCCGCGAGGAGGTG
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CCCCTCCGAGGAGACCCAGCTTTATTATGAGACATCAATCCATGCCATCAAAAACATG
CGCAGGAAAATGGAGGACAAACATGTCTGCATTCTGACTTTAATATGCTCTTCAACCTA
GAGGACCAGGAAGAAACAGCTTACTTTGAGTGTGGTGGCCATGGGGGAGTAGATGCT
GCTATTTATGCCTCCATTACCTCCACGTTAAGTCCGCGCAGGAGATGTTCCCCCAT
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CACAGTGCCAGTTTTTGTACCAAGTTGAGATGTTTGGTCTGGTGCACCAAGAAAGCA
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GGAAACAGAGTTTCTAGATTGTCTCATTACGCCACCACTACTCAAAGAAGTGGCACAGA
TTCAGGTTAATCCAAAGTTTTATTCTCTCTCTGCTCAAGAGCCTTCCCAAAAATA
GGCACTAGCCTGTCTCACTTACTGGAAGTGGGAAGAGAAATAGGATAAGAAGTTCTCTG
CCATGGAGGCAAAATAGTTGGAAGGGTACAGTGAAAACATGAGGAAGCTCAGAAAGACT
CATGATATCCATGCCAGATCTTCTTGGAGCTATAAAATAGAATAA

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Clone variation with respect to NM_014906.3
131 a=>g

Restriction Sites: Please inquire
ACCN: NM_014906
Insert Size: 4130 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_014906.3 , NP_055721.3
RefSeq Size:	6540 bp
RefSeq ORF:	2268 bp
Locus ID:	22843
UniProt ID:	Q8WY54
Cytogenetics:	17q22
Domains:	PP2C
Protein Families:	Druggable Genome, Phosphatase
Gene Summary:	<p>This gene encodes a member of the PPM family of serine/threonine-protein phosphatases. The encoded protein is localized to the nucleus and dephosphorylates and inactivates multiple substrates including serine/threonine-protein kinase PAK 1, 5'-AMP-activated protein kinase (AMPK) and the multifunctional calcium/calmodulin-dependent protein kinases. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, May 2012]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and is protein-coding.</p> <p>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>