

Product datasheet for **SC319588**

PPP1R14A (NM_033256) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R14A (NM_033256) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R14A
Synonyms:	CPI-17; CPI17; PPP1INL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_033256.1

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CTGGGTCCAGCAGCGGATGGCAGCTCAGCGGCTGGGCAAGCGCTGCTGAGCAAGCTGC
AGTCTCCATCGCGGGCCCGGGCCAGGGGGCAGTCCCGGGGGGCTGCAGAAGCGGCACG
CGCGCGTCACCGTCAAGTATGACCGGCGGGAGCTGCAGCGCGGCTGGACGTGGAGAAGT
GGATCGACGGGCGCTGGAGGAGCTGTACCGCGCATGGAGGCAGACATGCCCGATGAGA
TCAACATTGATGAATTGTTGGAGTTAGAGAGTGAAGAGGAGAGAAGCCGAAAATCCAGG
GACTCCTGAAGTCATGTGGGAAACCTGTCGAGGACTTCATCCAGGAGCTGCTGGCAAAGC
TTCAAGGCCTCCACAGGCAGCCCGGCTCCGCCAGCCAAGCCCTCCACGACGGCAGCC
TCAGCCCCCTCCAGGACCGGGCCCGGACTGCTACCCCTGACCCTCTTGCACTCTCCCTG
CCCCCGGACGCGCCGAGCTTGTGTGTATAAGTTGTATTTAATGGTTCTGTAACAAT
AAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
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Restriction Sites: Please inquire

ACCN: NM_033256

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).

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).


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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_033256.1 , NP_150281.1
RefSeq Size:	723 bp
RefSeq ORF:	444 bp
Locus ID:	94274
UniProt ID:	Q96A00
Cytogenetics:	19q13.2
Domains:	PP1_inhibitor
Protein Families:	Druggable Genome
Protein Pathways:	Vascular smooth muscle contraction
Gene Summary:	<p>The protein encoded by this gene belongs to the protein phosphatase 1 (PP1) inhibitor family. This protein is an inhibitor of smooth muscle myosin phosphatase, and has higher inhibitory activity when phosphorylated. Inhibition of myosin phosphatase leads to increased myosin phosphorylation and enhanced smooth muscle contraction. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript, and encodes the longer isoform (1, also known as CPI-17alpha).</p>