

Product datasheet for **SC330197**

PPP1R14A (NM_001243947) Human Untagged Clone

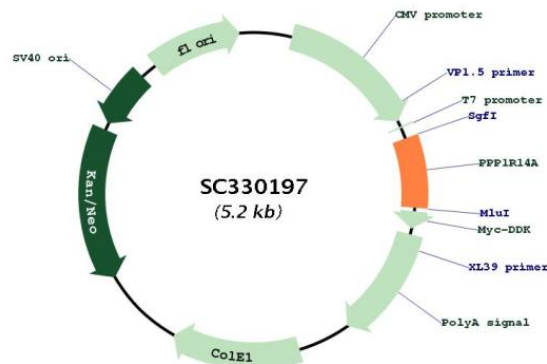
Product data:

Product Type: Expression Plasmids
Product Name: PPP1R14A (NM_001243947) Human Untagged Clone
Tag: Tag Free
Symbol: PPP1R14A
Synonyms: CPI-17; CPI17; PPP1INL
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330197 representing NM_001243947.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCAGCTCAGCGGCTGGGCAAGCGCGTCTGAGCAAGCTGCAGTCTCCATCGCGGGCCCGGGGCCA
GGGGGCAGTCCCGGGGGCTGCAGAAGCGGCACGCGCGTCCCGTCAAGTATGACCGGGGAGCTG
CAGCGCGGCTGGACGTGGAGAAGTGGATCGACGGGCGCTGGAGGAGCTGTACCGGGCATGGACTC
CTGAAGTCATGTGGAAACCTGTCGAGGACTTCATCCAGGAGCTGCTGGCAAAGCTCAAGGCCTCCAC
AGGCAGCCCGGCCTCCGCCAGCCAAGCCCTCCCACGACGGCAGCCTCAGCCCCCTCAGGACCGGGCC
CGGACTGCTACCCCTGA
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001243947



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Insert Size:	363 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_001243947.1
RefSeq Size:	701 bp
RefSeq ORF:	363 bp
Locus ID:	94274
UniProt ID:	Q96A00
Cytogenetics:	19q13.2
Protein Families:	Druggable Genome
Protein Pathways:	Vascular smooth muscle contraction
MW:	13.5 kDa
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 (2) lacks an in-frame coding exon compared to variant 1. This results in a shorter isoform (2, also known as CPI-17beta) missing an internal protein segment compared to isoform 1.</p>