Recombinant Human PPP1R14A, His-tagged

Cat. No. PPP1R14A-27586TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length human CPI17 alpha with His tag; 167 aa, 18kDa.
Species	Human
Source	E.coli
Description	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.
Conjugation	HIS
Tissue specificity	Isoform 1 is detected in aorta and testis. Isoform 2 is detected in aorta.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris, 2mM EDTA, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MAAQRLGKRV LSKLQSPSRA RGPGGSPGGL QKRHARVTVK YDRRELQRRL DVEKWIDGRL EELYRGMEAD MPDEINIDEL LELESEEERS RKIQGLLKSCGKPVEDFIQE LLAKLQGLHR QPGLRQPSPS HDGSLSPLQD RARTAHP
Sequence Similarities	Belongs to the PP1 inhibitor family.
Full Length	Full L.

GENE INFORMATION

Gene Name	PPP1R14A protein phosphatase 1, regulatory (inhibitor) subunit 14A [Homo sapiens]
Official Symbol	PPP1R14A
Synonyms	PPP1R14A; protein phosphatase 1, regulatory (inhibitor) subunit 14A; PPP1INL; protein phosphatase 1 regulatory subunit 14A; 17 kDa PKC potentiated inhibitory protein of PP1; 17 KDa protein; CPI 17; PKC potentiated inhibitory protein of PP1;
Gene ID	94274
mRNA Refseq	NM_001243947
Protein Refseq	NP_001230876
MIM	608153
Uniprot ID	Q96A00

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Chromosome Location	19q13.1
Pathway	Vascular smooth muscle contraction, organism-specific biosystem; Vascular smooth muscle contraction, conserved biosystem;
Function	protein phosphatase inhibitor activity;

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