

Product datasheet for **AR09073PU-N**

PPP1R14A (1-167, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PPP1R14A (1-167, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MAAQRLGKRV LSKLQSPSRA RGPGGSPGGL QKRHARVTVK YDRRELQRRL DVEKWIDGRL EELYRGMEAD MPDEINIDEL LELESEEERS RKIQGLLKSC GKPVEDFIQE LLAKLQGLHR QPGLRQSPS HDGSLSPQLD RARTAHP
Tag:	His-tag
Concentration:	lot specific
Purity:	>95% by SDS PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 8.0, 2 mM EDTA, 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant His-tagged PPP1R14A was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001230876
Locus ID:	94274
UniProt ID:	Q96A00
Cytogenetics:	19q13.2
Synonyms:	Protein phosphatase 1 regulatory subunit 14A, CPI-17, CPI17, PPP1INL



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Summary: 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]

Protein Families: Druggable Genome

Protein Pathways: Vascular smooth muscle contraction

Product images:

