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Product datasheet for RC205799L4V

PPP1R14A (NM_033256) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PPP1R14A (NM_033256) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PPP1R14A
Synonyms:	CPI-17; CPI17; PPP1INL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_033256
ORF Size:	441 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC205799).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_033256.1
RefSeq Size:	782 bp
RefSeq ORF:	444 bp
Locus ID:	94274
UniProt ID:	Q96A00
Cytogenetics:	19q13.2
Domains:	PP1_inhibitor
Protein Families:	Druggable Genome

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Protein Pathways: Vascular smooth muscle contraction

MW: 16.7 kDa

Gene 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]