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Product datasheet for RC207987L4V

PPP1R3D (NM_006242) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PPP1R3D (NM_006242) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PPP1R3D
Synonyms:	PPP1R6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006242
ORF Size:	897 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC207987).`
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_006242.3
RefSeq Size:	3481 bp
RefSeq ORF:	900 bp
Locus ID:	5509
UniProt ID:	O95685
Cytogenetics:	20q13.33
Domains:	CBM_21
Protein Families:	Druggable Genome, Phosphatase

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Protein Pathways: Insulin signaling pathway

MW: 32.6 kDa

Gene Summary: Phosphorylation of serine and threonine residues in proteins is a crucial step in the regulation of many cellular functions ranging from hormonal regulation to cell division and even short-term memory. The level of phosphorylation is controlled by the opposing actions of protein kinases and protein phosphatases. Protein phosphatase 1 (PP1) is 1 of 4 major serine/threonine-specific protein phosphatases which have been identified in eukaryotic cells. PP1 associates with various regulatory subunits that dictate its subcellular localization and modulate its substrate specificity. Several subunits that target PP1 to glycogen have been identified. This gene encodes a glycogen-targeting subunit of PP1. [provided by RefSeq, Jul 2008]