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Product datasheet for RC200435L3V

PTP4A1 (NM_003463) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PTP4A1 (NM_003463) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PTP4A1
Synonyms:	HH72; PRL-1; PRL1; PTP(CAAX1); PTPCAAX1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003463
ORF Size:	519 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200435).`
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_003463.3
RefSeq Size:	5093 bp
RefSeq ORF:	522 bp
Locus ID:	7803
UniProt ID:	Q93096
Cytogenetics:	6q12
Domains:	Y_phosphatase, PTPc_motif
Protein Families:	Druggable Genome, Phosphatase

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MW: 19.8 kDa

Gene Summary: This gene encodes a member of a small class of prenylated protein tyrosine phosphatases (PTPs), which contain a PTP domain and a characteristic C-terminal prenylation motif. The encoded protein is a cell signaling molecule that plays regulatory roles in a variety of cellular processes, including cell proliferation and migration. The protein may also be involved in cancer development and metastasis. This tyrosine phosphatase is a nuclear protein, but may associate with plasma membrane by means of its prenylation motif. Pseudogenes related to this gene are located on chromosomes 1, 2, 5, 7, 11 and X. [provided by RefSeq, Jun 2013]