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Product datasheet for RC202867L4V

PMVK (NM_006556) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PMVK (NM_006556) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PMVK
Synonyms:	HUMPMKI; PMK; PMKA; PMKASE; POROK1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006556
ORF Size:	576 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC202867).`
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_006556.3
RefSeq Size:	1307 bp
RefSeq ORF:	579 bp
Locus ID:	10654
UniProt ID:	Q15126
Cytogenetics:	1q21.3
Domains:	P-mevalo_kinase
Protein Families:	Druggable Genome

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Protein Pathways: Metabolic pathways, Terpenoid backbone biosynthesis

MW: 22 kDa

Gene Summary: This gene encodes a peroxisomal enzyme that is a member of the galactokinase, homoserine kinase, mevalonate kinase, and phosphomevalonate kinase (GHMP) family of ATP-dependent enzymes. The encoded protein catalyzes the conversion of mevalonate 5-phosphate to mevalonate 5-diphosphate, which is the fifth step in the mevalonate pathway of isoprenoid biosynthesis. Mutations in this gene are linked to certain types of porokeratosis including disseminated superficial porokeratosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]