

Product datasheet for PH302867

PMVK (NM_006556) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PMVK MS Standard C13 and N15-labeled recombinant protein (NP_006547)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202867
Predicted MW:	22 kDa
Protein Sequence:	>RC202867 protein sequence Red=Cloning site Green=Tags(s) MAPLGGA PRLVLLFSGKRKSGKDFVTEALQSRLGADVCAVLR LSGPLKEQYAQEHGLNFQRLLDTSTYKE AFRKDMIRWGEEKRQADPGFFCRKIVEGISQPIWLVSDTRRVSDIQWFREAYGAVTQTVRVVALEQSRQQ RGWVFTPGVDDAESECGLDNFGDFDWIENHGVEQRLEEQLLENLIEFIRSRL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006547
RefSeq Size:	1307
RefSeq ORF:	576
Synonyms:	HUMPMKI; PMK; PMKA; PMKASE; POROK1
Locus ID:	10654
UniProt ID:	Q15126 , Q6FGV9



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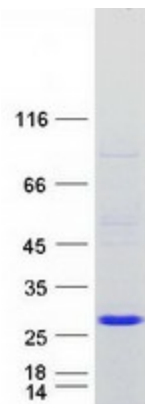
Cytogenetics: 1q21.3

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]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Terpenoid backbone biosynthesis

Product images:



Coomassie blue staining of purified PMVK protein (Cat# [TP302867]). The protein was produced from HEK293T cells transfected with PMVK cDNA clone (Cat# [RC202867]) using MegaTran 2.0 (Cat# [TT210002]).