

## Product datasheet for **AR09671PU-L**

### PMVK (1-192, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	PMVK (1-192, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MAPLGGAPRL VLLFSGKRKS GKDFVTEALQ SRLGADVCAV LRLSGPLKEQ YAQEHGLNFQ RLLDTSTYKE AFRKDMIRWG EEKRQADPGF FCRKIVEGIS QPIWLVS DTR RVSDIQWFRE AYGAVTQTVR VVALEQSRQQ RGWVFTPGVD DAEESECLDN FGDFDWIEN HGVEQRLEEQ LENLIEFIRS RL
Tag:	His-tag
Predicted MW:	24.1 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT, 10% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PMVK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001309940</u>
Locus ID:	10654
UniProt ID:	<u>Q6FGV9</u>
Cytogenetics:	1q21.3
Synonyms:	HUMPMKI; PMK; PMKA; PMKASE; POROK1



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**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:**