Recombinant Human Phosphomevalonate Kinase, His-tagged

Cat. No. PMVK-2823H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PMVK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 24.1 kDa (212aa), confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	Phosphomevalonate kinase, also known as PMVK, is a cytosolic enzyme. It was expressed highly in heart, liver, skeletal muscle, kidney and pancreas and slightly lower in brain, placenta, and lung. Induced by sterol, PMVK participates in isopentenyl diphosphate biosynthesis via the mevalonate pathway. PMVK catalyzes the conversion of mevalonate 5-phosphate into mevalonate 5-diphosphate in the fifth reaction of the cholesterol biosynthetic pathway.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MAPLGGAPRL VLLFSGKRKS GKDFVTEALQ SRLGADVCAV LRLSGPLKEQ YAQEHGLNFQ RLLDTSTYKE AFRKDMIRWG EEKRQADPGF FCRKIVEGIS QPIWLVSDTR RVSDIQWFRE AYGAVTQTVR VVALEQSRQQ RGWVFTPGVD DAESECGLDN FGDFDWVIEN HGVEQRLEEQ LENLIEFIRS RL
Purity	> 95% by SDS – PAGE.
Form	Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol, 0.1M NaCl.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	1 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	PMVK phosphomevalonate kinase [Homo sapiens]
Synonyms	PMVK; phosphomevalonate kinase; PMK; PMKA; PMKASE; HUMPMKI; Hpmk; EC 2.7.4.2; PMKI; PMKase
Gene ID	10654
mRNA Refseq	NM_006556
Protein Refseq	NP_006547
MIM	607622
UniProt ID	Q15126
Chromosome Location	1q22
Pathway	Metabolic pathways; Peroxisome; Terpenoid backbone biosynthesis
Function	ATP binding; nucleotide binding; phosphomevalonate kinase activity; protein binding; transferase activity

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA