

AR09671PU-L

Human PMVK (1-192, His-tag) - Purified

Alternate names:

HUMPMKI, PMKI, PMKase, Phosphomevalonate kinase

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q15126](#)

NCBI:

[NP_006547](#)

GeneID:

[10654](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Description:

Recombinant human PMVK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MAPLGGAPRL VLLFSGKRKS GKDFVTEALQ SRLGADVCAV
LRLSGPLKEQ YAEHGLNFQ RLLDTSTYKE AFRKDMIRWG EEKRQADPGF FCRKIVEGIS
QPIWLVS DTR RVSDIQWFRE AYGAVTQTVR VVALEQSRQQ RGWVFPTGVD DAESECGLDN
FGDFDWIEN HGVEQRLEE Q LENLIEFIRS RL

Molecular weight: 24.1 kDa (212aa), confirmed by MALDI-TOF

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.

Shelf life: one year from despatch.

General Readings:

Cho Y K., et al. (2001) J Biol chem. 278:4510-4515.

Hogenboom S., et al. (2004) J Lipid Res. 45:697-705.

Pictures:

Recombinant human PMVK, 1- 192 aa, His-tagged

