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Recombinant Human PMKase/PMVK Protein

Catalog No.: RP02879LQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	10654	Q15126

Tags
N-His

Synonyms
PMVK;HUMPMKI;PMK;PMKA;PMKASE;POROK1

Product Information

Source	Purification
E. coli	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
24.2 kDa	26 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 7.5.

Reconstitution

Contact

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Background

Phosphomevalonate kinase (PMVK) is a cytosolic enzyme. PMVK can be highly expressed in the heart,skeletal muscle, liver, pancreas, and kidney; it is expressed at lower levels in the brain, lung, and placenta. Induced by sterol, PMVK takes part in isopentenyl diphosphate biosynthesis through the mevalonate pathway. PMVK catalyzes the conversion of mevalonate 5-phosphate into mevalonate 5-diphosphate in the fifth reaction of the cholesterol biosynthetic pathway.

Basic Information

Description
Recombinant Human PMKase/PMVK Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Leu192) of human PMKase/PMVK (Accession #NP_006547.1) fused with a 6×His tag at the N-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃. This product is stable at ≤ -70℃ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.
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Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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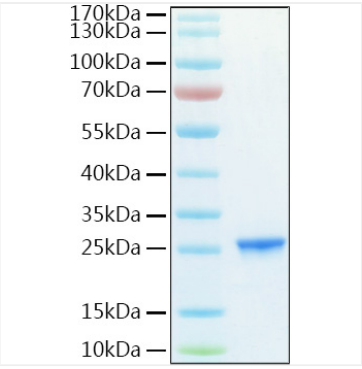
Validation Data



Recombinant Human PMKase/PMVK Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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