Recombinant Human Phosphomevalonate Kinase/PMVK Protein (His Tag)

Catalog Number:PKSH032895

Note: Centrifuge before opening to ensure complete recovery of vial contents.

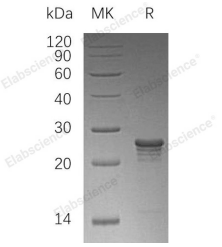
Description

Synonyms	Phosphomevalonate Kinase;PMKase;hPMK;PMVK;PMKI
Species	Human
Expression Host	E.coli
Sequence	Met 1-Leu192
Accession	Q15126
Calculated Molecular Weight	24.2 kDa
Observed molecular weight	26 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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