



Recombinant Protein Technical Manual

**Recombinant Human Phosphomevalonate
Kinase/PMVK Protein (His Tag)**
RPES1941

Product Data:

Product SKU: RPES1941

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q15126

Protein Information:

Molecular Mass: 24.2 kDa

AP Molecular Mass: 26 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 TrisHCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Phosphomevalonate Kinase; PMKase; hPMK; PMVK; PMKI

Immunogen Information:

Sequence: Met 1-Leu192

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.