

Product datasheet for **TP301971M**

MVK (NM_000431) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mevalonate kinase (MVK), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201971 protein sequence Red =Cloning site Green =Tags(s)
	 MLSEVLLVSAPGKVLHGEHAVVHGKVALAVSLNLRFLRLQPHSNGKVDLSLPNIGIKRAWDFVARLQSL DTSFLEQGDVTTPTSEQVEKLKEVAGLPDDCAVTERLAVLAFLYLYLSICRKQRALPSLDIWWSELPPG AGLGSSAAYSVCLAAALLTVCEEIPNPLKDGDCVNRWTKEDLELINKWAFQGERMIHGPNPSGVDNAVSTW GGALRYHQGKISSLKRSALQILLTNTKVPRNTRALVAGVRNRLKFPEIVAPLLTSDAISLECERVLG EMGEAPAPEQYLVLEELIDMNQHHLNALGVGHASLDQLCQVTRARGLHSKLTGAGGGGCGITLLKPGLEQ PEVEATKQALTSCGFDCLETSIGAPGVSISHSATSLDSRVQQALDGL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	42.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_000422</u>
Locus ID:	4598



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UniProt ID: [Q03426](#), [B2RDU6](#)

RefSeq Size: 2084

Cytogenetics: 12q24.11

RefSeq ORF: 1188

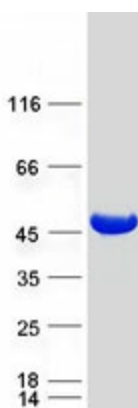
Synonyms: LRBP; MK; MVLK; POROK3

Summary: This gene encodes the peroxisomal enzyme mevalonate kinase. Mevalonate is a key intermediate, and mevalonate kinase a key early enzyme, in isoprenoid and sterol synthesis. Mevalonate kinase deficiency caused by mutation of this gene results in mevalonic aciduria, a disease characterized psychomotor retardation, failure to thrive, hepatosplenomegaly, anemia and recurrent febrile crises. Defects in this gene also cause hyperimmunoglobulinaemia D and periodic fever syndrome, a disorder characterized by recurrent episodes of fever associated with lymphadenopathy, arthralgia, gastrointestinal dismay and skin rash. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Terpenoid backbone biosynthesis

Product images:



Coomassie blue staining of purified MVK protein (Cat# [TP301971]). The protein was produced from HEK293T cells transfected with MVK cDNA clone (Cat# [RC201971]) using MegaTran 2.0 (Cat# [TT210002]).