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Product datasheet for AR50757PU-N

Mevalonate kinase (1-396, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Mevalonate kinase (1-396, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMLSEVLL VSAPGKVILH GEHAVVHGKV ALAVSLNLRT FLRLQPHSNG KVDLSLPNIG IKRAWDVARL QSLDTSFLEQ GDVTTPTSEQ VEKLKEVAGL PDDCAVTERL AVLAFLYLYL SICRKQRALP SLDIVVWSEL PPGAGLGSSA AYSVCLAAAL LTVCEEIPNP LKDGDCVNRW TKEDLELINK WAFQGERMIH GNPSGVDNAV STWGGALRYH QGKISSLKRS PALQILLTNT KVPRNTRALV AGVRNRLLKF PEIVAPLLTS IDAISLECER VLGEMGEAPA PEQYLVLEEL IDMNQHHLNA LGVGHASLDQ LCQVTRARGL HSKLTGAGGG GCGITLLKPG LEQPEVEATK QALTSCGFDC LETSIGAPGV SIHSATSLDS RVQQALDGL
Tag:	His-tag
Predicted MW:	44.8 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MVK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000422
Locus ID:	4598
UniProt ID:	Q03426, B2RDU6

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Cytogenetics: 12q24.11

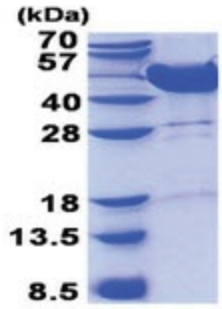
Synonyms: LRBP; MK; MVLK; POROK3

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:



15% SDS-PAGE (3ug)