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32-3061: MVK Recombinant Protein

Alternative Name : Mevalonate Kinase (Mevalonic Aciduria),LH Receptor MRNA-Binding Protein,LRBP,Mevalonate Kinase 1,MK,MVLK,EC 2.7.1.36.

Description

Source : Escherichia Coli. MVK Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 419 amino acids (1-396) and having a molecular mass of 44.8kDa.The MVK is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. MVK is a member of the GHMP kinase family. Mevalonate is a vital mediator, and MVK an important early enzyme, in isoprenoid and sterol synthesis. MVK deficiency can result in gene mutation associated with Mevalonic aciduria, an illness which causes psychomotor retardation, failure to thrive hepatosplenomegaly, anemia and frequent febrile crises. Mutations in this gene also cause hyperimmunoglobulinaemia D and sporadic fever syndrome, in which the person suffers from recurrent episodes of fever related with lymphadenopathy, skin rash, gastrointestinal dismay and arthralgia.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	MVK protein (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	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.