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MVK, 1-396aa Human, His tag, E.coli

产品货号: TP03054

第三版

别名: Mevalonate kinase, LRBP, MK, MVLK

描述: Mevalonate kinase, also known as MVK, belongs to the GHMP kinase family. 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. Recombinant human MVK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量: 44.8 kDa (419aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMLESEVLLVSAPGKVIHGEHAVVHGKVALAVSLNLRFTLRLQPHSNGKVDLSLPNI
GIKRAWDVARLQSLDTSFLEQGDVTTPTSEQVEKLKEVAGLPDDCAVTERLAVLAFLLYLSICRKQRALPSLDIVVWSELP
PGAGLGSSAAYSVCLAAALLTVCEEIPNPLKDGDCVNRWTKEDLELINKWAFQGERMIHGNPSGVDNAVSTWGGALRY
HQQKISSLKRSPALQILLTNTKVPRNTRALVAGVRNRLKFPFIVAPLLTSIDAISLECERVLGEMGEAPAPEQYLVLEELIDM
NQHHLNALGVGHASLDQLCQVTRARGLHSKLTGAGGGGCGITLLKPGLEQPEVEATKQALTSCGFDCLETSIGAPGVSI
HSATSLDSRVQQALDGL

纯度: > 95% by HPLC

浓度: 0.5 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.