

Recombinant Full Length Human MVK Protein, GST-tagged

Cat. No. MVK-6585HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MVK full-length ORF (NP_000422.1, 1 a.a. - 396 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	396 amino acids
Description	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. Two transcript variants that encode the same protein have been found for this gene. [provided by RefSeq]
Molecular Mass	68.9 kDa
AA Sequence	MLSEVLLVSAPGKVLHGEHAVVHGKVALAVSLNLRNFLRLQPHSNGKVDLSLPNIGI KRAWDVARLQSLDTSFLEQGDVTTPTSEQVEKLKEVAGLPDDCAVTERLAVLAFLYL YLSICRKQRALPSLDIVVWSELPPGAGLGSSAAYSVCLAAALLTVCEEIPNPLKDGDC VNRWTKEDLELINKWAFQGERMIHGNPSGVDNAVSTWGGALRYHQGKISSLRSP

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ALQILLTNTKVPRNTRALVAGVRNRLKFPFIVAPLLTSIDAISSLECERVLGEMGEAPA
PEQYLVLLEELIDMNQHHLNALGVGHASLDQLCQVTRARGLHSLKLTGAGGGGCGITL
LKPGLQPEVEATKQALTSCGFDCLETSIGAPGVSIHSATSLDSRVQQALDGL

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MVK mevalonate kinase [Homo sapiens]
Official Symbol	MVK
Synonyms	MVK; mevalonate kinase; mevalonate kinase (mevalonic aciduria); LH receptor mRNA binding protein; LRBP; mevalonic aciduria; MK; mevalonate kinase 1; LH receptor mRNA-binding protein; MVLK; FLJ96772;
Gene ID	4598
mRNA Refseq	NM_000431
Protein Refseq	NP_000422

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MIM	251170
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UniProt ID	Q03426
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