

Human MVK Knockdown Cell Lysate

Cat. No. MVK-249HKCL Lot. No. (See product label)

SPECIFICATION

Product Overview	WB-validated MVK Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	<p>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.</p>
Form	Cell-Tissue Lysis buffer
Molecular Mass	42 kDa
Notes	<p>Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.</p>

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg MVK KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways, Terpenoid backbone biosynthesis
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	MVK mevalonate kinase [Homo sapiens (human)]
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
MIM	251170

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UniProt ID

Q03426

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