Recombinant Human Mevalonate kinase (MVK)

Product Code	CSB-MP015247HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q03426
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MLSEVLLVSA PGKVILHGEH AVVHGKVALA VSLNLRTFLR LQPHSNGKVD LSLPNIGIKR AWDVARLQSL DTSFLEQGDV TTPTSEQVEK LKEVAGLPDD CAVTERLAVL AFLYLYLSIC RKQRALPSLD IVVWSELPPG AGLGSSAAYS VCLAAALLTV CEEIPNPLKD GDCVNRWTKE DLELINKWAF QGERMIHGNP SGVDNAVSTW GGALRYHQGK ISSLKRSPAL QILLTNTKVP RNTRALVAGV RNRLLKFPEI VAPLLTSIDA ISLECERVLG EMGEAPAPEQ YLVLEELIDM NQHHLNALGV GHASLDQLCQ VTRARGLHSK LTGAGGGGCG ITLLKPGLEQ PEVEATKQAL TSCGFDCLET SIGAPGVSIH SATSLDSRVQ QALDGL
Source	Mammalian cell
Target Names	MVK
Protein Names	Recommended name: Mevalonate kinase Short name= MK EC= 2.7.1.36
Expression Region	1-396
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.