Mevalonate Kinase (MVK) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mevalonate kinase (MVK), Recombinant Protein
Full Product Name	Recombinant Bovine Mevalonate kinase (MVK)
Product Gene Name	MVK recombinant protein
Product Synonym Gene Name	MVK
Sequence	MLSEVLLVSA PGKVILHGEH AVVHGKVALA VALNLRTFLR LQPHSNGRVG LNLPNIGVRR AWDVASLQLL DTSFLGHGDS AALTAKHVEK LKEVAGFPKD CVDPEHLAVL AFLYLYLSIC QSQRALPSLD ITVWSELPTG AGLGSSAAYS VCLAAALLTA CEEIPNPLKD GEAAGRWTEE NLELINKWAF QGERVIHGNP SGVDNAVSTW GGALRYQQGK ISSLKRPPVL KILLINTKVP RSTKVLVANV RSRLLKFPEI VAPLLTSIDA ISLECERVLG EMAAAPTPEH YLTLEELIDM NQHHLNALGV GHASLDQLCQ VTTAHGLHSK LTGAGGGGCG ITLLRPDVER PAVEATKRAL SGCGFDCWET SVGAPGVSVH TAASLDASVQ QGLDSL
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	42,070 Da
Sequence Positions	1-396, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q5E9T8
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MVK recombinant protein	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.
Other Notes	Small volumes of MVK recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MVK purchase	MBS1404703 is a recombinant protein targeting MVK. Also known as Recombinant Bovine Mevalonate kinase (MVK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MVK. It may not necessarily be applicable to this product.

NCBI GI #	62751666
NCBI GeneID	505792
NCBI Accession #	NP_001015528.1
UniProt Primary Accession #	Q5E9T8
UniProt Related Accession #	Q5E9T8
GenBank Nucleotide #	NM_001015528.1
NCBI Official Full Name	mevalonate kinase
NCBI Official Synonym Full Names	mevalonate kinase
NCBI Official Symbol	MVK
UniProt Protein Name	Mevalonate kinase
Protein Family	Mevalonate kinase
UniProt Gene Name	MVK
UniProt Synonym Gene Names	MK
NCBI Protein Information	mevalonate kinase
UniProt Comments for MVK	May be a regulatory site in cholesterol biosynthetic pathway.
Research Articles on MVK	**1.** expression of LHR mRNA in bovine granulosa cells is established after follicle deviation, and the lower abundance of LRBP mRNA after the expected time of deviation may contribute to greater expression of LHR in the bovine dominant follicle
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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