Mevalonate Kinase (mvk) Pyrococcus Abyssi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mevalonate kinase (mvk), Recombinant Protein
Full Product Name	Recombinant Pyrococcus abyssi Mevalonate kinase (mvk)
Product Gene Name	mvk recombinant protein
Product Synonym Gene Name	mvk
Sequence	MPRLVLASAP AKIILFGEHS VVYGKPAIAS AIDLRTYVRA EFNDSGNIKI EAHDIKTPGL IVSFSEDKIY FETDYGKAAE VLSYVRHAIE LVLEEADKRT GVSVSITSQI PVGAGLGSSA AVAVATIGAV SKLLDLELSK EEIAKMGHKV ELLVQGASSG IDPTVSAIGG FLYYKQGEFE HLPFVELPIV VGYTGSSGST KELVAMVRRR YEEMPELIEP ILESMGKLVD KAKEVIISKL DEEEKFLKLG ELMNINHGLL DALGVSTKKL SELVYAARTA GAIGAKLTGA GGGGCMYALA PGKQREVATA IKIAGGTPMI TRISKEGLRI EEVRE
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	35,774 Da
Sequence Positions	1-335, 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 Q9V187
Species	Pyrococcus abyssi (strain GE5 / Orsay)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mvk recombinant protein	MBS1341932 is a recombinant protein targeting mvk. Also known as Recombinant Pyrococcus abyssi Mevalonate kinase (mvk). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
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.

ADDITIONAL DETAILS

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

NCBI GI #	499169389
NCBI Accession #	WP_010867665.1
UniProt Primary Accession #	Q9V187
UniProt Secondary Accession #	G8ZGQ1
GenBank Nucleotide #	WP_010867665.1

NCBI Official Full Name	mevalonate kinase
UniProt Protein Name	Mevalonate kinase
Protein Family	Mevalonate kinase
UniProt Gene Name	mvk
UniProt Synonym Gene Names	MK; MVK
UniProt Comments for mvk	Catalyzes the phosphorylation of (R)-mevalonate (MVA) to (R)-mevalonate 5-phosphate (MVAP). Functions in the mevalonate (MVA) pathway leading to isopentenyl diphosphate (IPP), a key precursor for the biosynthesis of isoprenoid compounds such as archaeal membrane lipids.
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