Cobyric Acid Synthase (cobQ) Mycobacterium Paratuberculosis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cobyric acid synthase (cobQ), Recombinant Protein
Full Product Name	Recombinant Mycobacterium paratuberculosis Cobyric acid synthase (cobQ)
Product Gene Name	cobQ recombinant protein
Product Synonym Gene Name	cobQ
Sequence	MSGALLVAGT SSDAGKSVVV AGLCRLLARR GVRVAPFKAQ NMSNNSAVTV EGGEIGRAQA IQARAAGLEP SVRFNPILLK PGSDRTSQLV IKGQVAESVT ATSYVQHRDR LAALVLNELT CLRDEFDAVI CEGAGSPAEI NLRATDLANM GLARAADLAV ILVGDIDRGG LLAHLFGTVA VLDPQDQALI AGFVVNKFRG DPALLQPGLR RLHDITGRPT YGVLPYADRL WLDAEDSLSV LAHRVVGAPD PPLGDDWLRV AAVRLPRISN STDVEALACE PGVLVRWVSE PSDVADADLV VIPGSKATVA DLSWLRERGL AAAITAHAAA GRPVLGICGG FQMLCRRIDD RVESGAGEVA GLGLLDADIA FHPAKTLRRW QRPLAGYEIH HGRVSRCAEH SWFDSDAEPQ GLVRGAVFGT HWHGLLDNDD FRRAWLVRVA DAAGRRFVPG DTDVAARRDA QLDLAADLLA AHLDVDAVLG LLDGPPPRPR LATRLCR
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	52,912 Da
Sequence Positions	1-497, 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 Q73VS8
Species	Mycobacterium paratuberculosis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cobQ recombinant protein	MBS1395171 is a recombinant protein targeting cobQ. Also known as Recombinant Mycobacterium paratuberculosis Cobyric acid synthase (cobQ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cobQ 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 cobQ. It may not necessarily be applicable to this product.

NCBI GI #	489971917
NCBI Accession #	WP_003875118.1
UniProt Primary Accession #	Q73VS8

GenBank Nucleotide #	WP_003875118.1
NCBI Official Full Name	cobyric acid synthase CobQ
UniProt Protein Name	Cobyric acid synthase
Protein Family	Probable cobyric acid synthase
UniProt Gene Name	cobQ
UniProt Comments for cobQ	Catalyzes amidations at positions B, D, E, and G on adenosylcobyrinic A,C-diamide. NH2 groups are provided by glutamine, and one molecule of ATP is hydrogenolyzed for each amidation.
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