Probable Cobyric Acid Synthase (cobQ) Methanopyrus Kandleri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable cobyric acid synthase (cobQ), Recombinant Protein
Full Product Name	Recombinant Methanopyrus kandleri Probable cobyric acid synthase (cobQ)
Product Gene Name	cobQ recombinant protein
Product Synonym Gene Name	cobQ
Sequence	MSAIMFVGTA SNSGKSFLAA VTCAYLRQRG VDVAPFKSQN MSLNSCVAKE NGEIAVAQAF QAAMAGQEPS IHHNPVLLKP KGELRSEVIV HGKPIGTMSY REYREIVFED PWQAVLESAE ILSEEHEVIV AEGAGSPAEI NVLDTDIANL RVAEALGADV ILVADISRGG AFAAVYGTIE LLPERWRRLI KGFLFNKFLG DESLLEPGIK ELERRLGVRY LGTVRHVGDF WMPWEDSEAL DTHSPGRGSV RIAVIRLPRI SNFTDFEPLA MEPDVRVEFV DPRDNLPEDA DAVILPGTRT TISDLEELRK RGMDEEVVQA ADEGTVVLGV CGGYQMLGRE LVDESGGELD PGESVPGLGL LDAVTVFPSD AGKVTVRSEG VVNHPHLRGI RVEGFEIHEG RTYTDEPHLV RLRSGYGNRG CFLDGAYRTD RPVLGTYLHG IFFNRRFRHE FLRWVSGGRW KPPERDVVRE AVKRNLQVAL EIVESTDLPE LLGE
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	54,561 Da
Sequence Positions	1-494, 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 Q8TVH5
Species	Methanopyrus kandleri (strain AV19 / DSM 6324 / JCM 9639 / NBRC 100938)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cobQ recombinant protein	MBS1392788 is a recombinant protein targeting cobQ. Also known as Recombinant Methanopyrus kandleri Probable 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 #	34395564
NCBI Accession #	Q8TVH5.1
UniProt Primary Accession #	Q8TVH5

NCBI Official Full Name	Probable cobyric acid synthase
UniProt Protein Name	Probable 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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