Ubiquinone/Menaquinone Biosynthesis Methyltransferase Ubie (ubiE) Xanthomonas Oryzae Pv. Oryzae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ubiquinone/menaquinone biosynthesis methyltransferase ubiE (ubiE), Recombinant Protein
Full Product Name	Recombinant Xanthomonas oryzae pv. oryzae Ubiquinone/menaquinone biosynthesis methyltransferase ubiE (ubiE)
Product Gene Name	ubiE recombinant protein
Product Synonym Gene Name	ubiE
Sequence	MSESPYTSGT THFGFRDVAA KDKQKLVGEV FTSVARNYDL MNDLMSLGVH RAWKRYFVTT AQVKPGDRVL DLAGGTGDIA VLLKERVGNE GAVVLGDINA GMLSVGRDRL TNRGLVSGFD YVQCNAEALP FPDQSFDLVT ISFGLRNVTD KDAALREMYR VLKVGGQARV LEFSEVTAEW FKPIYDFHSF KILPKLGKLF ARDADSYQYL AESIRKHPPQ ESLKGMMGEA GFARCHFKNL TGGIVAIHSG YKI
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	28,010 Da
Sequence Positions	1-253, 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 Q2NYW4
Species	Xanthomonas oryzae pv. oryzae (strain MAFF 311018)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ubiE recombinant protein	MBS1329619 is a recombinant protein targeting ubiE. Also known as Recombinant Xanthomonas oryzae pv. oryzae Ubiquinone/menaquinone biosynthesis methyltransferase ubiE (ubiE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ubiE 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 ubiE. It may not necessarily be applicable to this product.

NCBI GI #	499728736
NCBI Accession #	WP_011409470.1
UniProt Primary Accession #	Q2NYW4

GenBank Nucleotide #	WP_011409470.1
NCBI Official Full Name	ubiquinone/menaquinone biosynthesis C-methyltransferase UbiE
UniProt Protein Name	Ubiquinone/menaquinone biosynthesis C-methyltransferase UbiE
UniProt Synonym Protein Names	2-methoxy-6-polyprenyl-1,4-benzoquinol methylase
Protein Family	Ubiquinone/menaquinone biosynthesis C-methyltransferase
UniProt Gene Name	ubiE
UniProt Comments for ubiE	Methyltransferase required for the conversion of demethylmenaquinol (DMKH2) to menaquinol (MKH2) and the conversion of 2-polyprenyl-6-methoxy-1,4-benzoquinol (DDMQH2) to 2-polyprenyl-3-methyl-6-methoxy-1,4-benzoquinol (DMQH2).
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