Ubiquinone/Menaquinone Biosynthesis Methyltransferase Ubie (ubiE) Rhizobium Leguminosarum Bv.trifolii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ubiquinone/menaquinone biosynthesis methyltransferase ubiE (ubiE), Recombinant Protein
Full Product Name	Recombinant Rhizobium leguminosarum bv.trifolii Ubiquinone/menaquinone biosynthesis methyltransferase ubiE (ubiE)
Product Gene Name	ubiE recombinant protein
Sequence	MPESRTSADG GMETSYGFRE VPGGEKQDLV NQVFHKVAKR YDIMNDVMSM GMHRAWKDAM ISALNPRKEP GYRVLDVAGG TGDIAFRIVE ASGRQAHATV LDINGSMLGV GAERAEKKKL SGNLTFVEAN AEELPFEPAS FDAYTIAFGI RNVPRIDAAL SEAYRVLKRG GRLLVLEFSE VDMPLLDRIY DAWSFNAIPQ FGKAITGDAE PYQYLVESIR KFPNQENFAA MIRQAGFSRV TYTNYTGGIA ALHSGWKL
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	28,541 Da
Sequence Positions	1-258, 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 B5ZYK8
Species	Rhizobium leguminosarum bv. trifolii (strain WSM2304)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ubiE recombinant protein	MBS1232029 is a recombinant protein targeting ubiE. Also known as Recombinant Rhizobium leguminosarum bv.trifolii 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 #	501555217
NCBI Accession #	WP_012559727.1
UniProt Primary Accession #	B5ZYK8
GenBank Nucleotide #	WP_012559727.1

NCBI Official Full Name	MULTISPECIES: 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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