3-Demethylubiquinone-9 3-Methyltransferase (ubiG) Roseobacter Denitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-demethylubiquinone-9 3-methyltransferase (ubiG), Recombinant Protein
Full Product Name	Recombinant Roseobacter denitrificans 3-demethylubiquinone-9 3-methyltransferase (ubiG)
Product Gene Name	ubiG recombinant protein
Product Synonym Gene Name	ubiG; RD1_0392
Product Synonym Names	3-demethylubiquinone-9 3-methyltransferase; EC=2.1.1.64; 2-polyprenyl-6-hydroxyphenyl methylase; EC=2.1.1.222; 3,4-dihydroxy-5-hexaprenylbenzoate methyltransferase; DHHB methyltransferase
Sequence	MQAPQTTVDP SEIAKFEAMA AEWWDENGKF KPLHMLNPCR LDYITTQIAG EFDRDLASPE PFKGLRILDI GCGGGLLAEP MARLGADVVG ADAAERNIPV ARVHAEQSGL TIDYRHTTAE ALAAEGEQFD VVLNMEVVEH VASPIDYLIA CRQLLKPGGL QVCSTLNRNP KSYVMAIIGA EHVMRWLPKG THEWSKFITP DELYDLLRQS GMDPVDRKGF VFNPISWSWK LSGRDLSVNY VTASVKPA
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	27,451 Da
Sequence Positions	1-248aa; 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 Q16D32
Species	Roseobacter denitrificans (strain 33942 / OCh 114) (Erythrobacter sp. (strain OCh 114)) (Roseobacter denitrificans)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ubiG recombinant protein	MBS1403850 is a recombinant protein targeting ubiG. Also known as Recombinant Roseobacter denitrificans 3-demethylubiquinone-9 3-methyltransferase (ubiG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ubiG 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 ubiG. It may not necessarily be applicable to this product.

NCBI GI #	110677790
NCBI GeneID	4195382
NCBI Accession #	YP_680797.1

UniProt Primary Accession #	Q16D32
UniProt Related Accession #	Q16D32
GenBank Nucleotide #	NC_008209.1
NCBI Official Full Name	3-demethylubiquinone-9 3-methyltransferase
NCBI Official Symbol	ubiG
UniProt Protein Name	Ubiquinone biosynthesis O-methyltransferase
UniProt Synonym Protein Names	2-polyprenyl-6-hydroxyphenol methylase; 3-demethylubiquinone 3-O-methyltransferase
Protein Family	Ubiquinone biosynthesis O-methyltransferase
UniProt Gene Name	ubiG
UniProt Synonym Gene Names	RD1_0392
UniProt Entry Name	UBIG_ROSDO
NCBI Protein Information	3-demethylubiquinone-9 3-methyltransferase
UniProt Comments for ubiG	O-methyltransferase that catalyzes the 2 O-methylation steps in the ubiquinone biosynthetic pathway.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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