3-Octaprenyl-4-Hydroxybenzoate Carboxy-Lyase (ubiD) Azotobacter Vinelandii Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-octaprenyl-4-hydroxybenzoate carboxy-lyase (ubiD), Recombinant Protein
Full Product Name	Recombinant Azotobacter vinelandii 3-octaprenyl-4-hydroxybenzoate carboxy-lyase (ubiD)
Product Gene Name	ubiD recombinant protein
Sequence	MKYSDLRDFL RALEARGELK RIQTPVSPIL EMTEICDRTL RRSGPALLFE KPIGFDMPVL GNLFGTPQRV AFGMGAEDVS ELREIGRLLA LLKEPEPPKG LKDAWDKLPL FKKVLSMAPK VLKDAPCQEV ILEGEDVDLG RLPVQHCWPG DAAPLITWGL TITRGPNKER QNLGIYRQQV LGRNKVIMRW LSHRGGALDY REWCQKHPDR PYPVAVALGA DPATILGAVT PVPDTLSEYA FAGLLRGQRT ELVKAVGSDL QVPASAEIVL EGHIHPGEMA DEGPYGDHTG YYNEVDRFPV FTIERITRRR DAIYHSTYTG RPPDEPAVLG VALNEVFVPI LQKQFPEIVD FYLPPEGCSY RMAVVTIRKQ YPGHAKRVML GVWSFLRQFM YTKFVIVTDD DIDARDWNDV IWAITTRMDP KRDTVLIDNT PIDYLDFASP VSGLGSKMGL DATHKWPGET SREWGRAIRQ DPAVKQRVDE LWPLLGLD
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	54,999 Da
Sequence Positions	1-488, 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 C1DJ26
Species	Azotobacter vinelandii (strain DJ / BAA-1303)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ubiD recombinant protein	MBS1257787 is a recombinant protein targeting ubiD. Also known as Recombinant Azotobacter vinelandii 3-octaprenyl-4-hydroxybenzoate carboxy-lyase (ubiD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ubiD 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 ubiD. It may not necessarily be applicable to this product.

NCBI GI #	502037665
NCBI Accession #	WP_012703207.1
UniProt Primary Accession #	C1DJ26
GenBank Nucleotide #	WP_012703207.1

NCBI Official Full Name	3-octaprenyl-4-hydroxybenzoate carboxy-lyase
UniProt Protein Name	3-octaprenyl-4-hydroxybenzoate carboxy-lyase
UniProt Synonym Protein Names	Polyprenyl p-hydroxybenzoate decarboxylase
Protein Family	3-octaprenyl-4-hydroxybenzoate carboxy-lyase
UniProt Gene Name	ubiD
UniProt Comments for ubiD	Catalyzes the decarboxylation of 3-octaprenyl-4-hydroxy benzoate to 2-octaprenylphenol, an intermediate step in ubiquinone biosynthesis.
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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