3-Octaprenyl-4-Hydroxybenzoate Carboxy-Lyase (ubiD) Shigella Dysenteriae Serotype 1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-octaprenyl-4-hydroxybenzoate carboxy-lyase (ubiD), Recombinant Protein
Full Product Name	Recombinant Shigella dysenteriae serotype 1 3-octaprenyl-4-hydroxybenzoate carboxy-lyase (ubiD)
Product Gene Name	ubiD recombinant protein
Product Synonym Gene Name	ubiD
Sequence	MDVMKYNDLR DFLTLLEQQG ELKRITLPVD PHLEITEIAD RTLRAGGPAL LFENPKGYSM PVLCNLFGTP KRVAMGMGQE DVSALREVGK LLAFLKEPEP PKGFRDLFDK LPQFKQVLNM PTKRLRGAPC QQKIVSGDDV DLHRIPIMTC WPGDAAPLIT WGLTVTRRPH KERQNLGIYR QQLIGKNKLI MRWLSHRGGA LDYQEWCAAH PGERFPVSVA LGADPATILG AVTPVPDTLS EYAFAGLLRG TKTEVVKCIS NDLEVPASAE IVLEGYIEQG ETAPEGPYGD HTGYYNEVDS FPVFTVTHIT QREDAIYHST YTGRPPDEPA VLGVALNEVF VPILQKQFPE IVDFYLPPEG CSYRLAVVTI KKQYAGHAKR VMMGVWSFLR QFMYTKFVIV CDDDVNARDW NDVIWAITTR MDPARDTVLV ENTPIDYLDF ASPVSGLGSK MGLDATNKWP GETQREWGRP IKKDPDVVAH IDAIWDELAI FNNGKSA
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	55,682 Da
Sequence Positions	1-497, Full length
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 Q32A18
Species	Shigella dysenteriae serotype 1 (strain Sd197)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ubiD recombinant protein	MBS1314725 is a recombinant protein targeting ubiD. Also known as Recombinant Shigella dysenteriae serotype 1 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 #	446305063
NCBI GeneID	3797018

NCBI Accession #	WP_000382918.1
UniProt Primary Accession #	Q32A18
UniProt Related Accession #	Q32A18
GenBank Nucleotide #	WP_000382918.1
NCBI Official Full Name	3-octaprenyl-4-hydroxybenzoate decarboxylase
NCBI Official Symbol	yigC
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
NCBI Protein Information	3-octaprenyl-4-hydroxybenzoate decarboxylase
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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