4-Hydroxybenzoate Octaprenyltransferase (ubiA) Recombinant Protein

PRODUCT OVERVIEW

Product Name	4-hydroxybenzoate octaprenyltransferase (ubiA), Recombinant Protein
Full Product Name	Recombinant 4-hydroxybenzoate octaprenyltransferase (ubiA)
Product Gene Name	ubiA recombinant protein
Product Synonym Gene Name	ubiA
Product Synonym Names	Recombinant 4-hydroxybenzoate octaprenyltransferase (ubiA); 4-hydroxybenzoate octaprenyltransferase EC= 2.5.1.-; 4-HB polyprenyltransferase
Sequence	MEWSLTQNKL LAFHRLMRTD KPIGALLLLW PTLWALWVAT PGVPQLWILA VFVAGVWLMR AAGCVVNDYA DRKFDGHVKR TANRPLPSGA VTEKEARALF VVLVLISFLL VLTLNTMTIL LSIAALALAW VYPFMKRYTH LPQVVLGAAF GWSIPMAFAA VSESVPLSCW LMFLANILWA VAYDTQYAMV DRDDDVKIGI KSTAILFGQY DKLIIGILQI GVLALMAIIG ELNGLGWGYY WSILVAGALF VYQQKLIANR EREACFKAFM NNNYVGLVLF LGLAMSYWHF
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	32,512 Da
Sequence Positions	1-290
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.
Chromosome Location	NC_002655.2 (5136184..5137056)
3D Structure	ModBase 3D Structure for P0AGK3
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ubiA recombinant protein	MBS1228545 is a recombinant protein targeting ubiA. Also known as Recombinant 4-hydroxybenzoate octaprenyltransferase (ubiA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ubiA 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 ubiA. It may not necessarily be applicable to this product.

NCBI GI #	15804633
NCBI GeneID	960083
NCBI Accession #	NP_290674.1

UniProt Primary Accession #	P0AGK3
UniProt Secondary Accession #	P26601
GenBank Nucleotide #	NC_002655.2
NCBI Official Full Name	4-hydroxybenzoate octaprenyltransferase
NCBI Official Symbol	ubiA
UniProt Protein Name	4-hydroxybenzoate octaprenyltransferase
UniProt Synonym Protein Names	4-HB polyprenyltransferase
Protein Family	4-hydroxybenzoate octaprenyltransferase
UniProt Gene Name	ubiA
UniProt Entry Name	UBIA_ECO57
NCBI Protein Information	4-hydroxybenzoate octaprenyltransferase
UniProt Comments for ubiA	Function: Synthesis of 3-octaprenyl-4-hydroxybenzoate By similarity. HAMAP-Rule MF_01635 Catalytic activity: 4-hydroxybenzoate + farnesylfarnesylgeraniol = 3-octaprenyl-4-hydroxybenzoate. HAMAP-Rule MF_01635 Cofactor: Magnesium By similarity. HAMAP-Rule MF_01635 Pathway: Cofactor biosynthesis; ubiquinone biosynthesis. HAMAP-Rule MF_01635 Subcellular location: Cell inner membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_01635. Sequence similarities: Belongs to the UbiA prenyltransferase family.
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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