Probable Aromatic Acid Decarboxylase (Ape_1647) (APE_1647) Aeropyrum Pernix Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable aromatic acid decarboxylase (APE_1647), Recombinant Protein
Full Product Name	Recombinant Aeropyrum pernix Probable aromatic acid decarboxylase (APE_1647)
Product Gene Name	APE_1647 recombinant protein
Product Synonym Gene Name	APE_1647
Sequence	MSCRPSSVSI AVTGSSGVRV ALRLLEALKG EVEIRGIILT RGAEEVARYE EGIEPEDLRR LLRSYAPLYM ENDMSSPLAS SSNQPDAMAI VPASMKTVGL IARGIPSSLP ARAALAVLRL GRRLVVAPRE TPLGVVELEN MLAIARMGGI VVPLTLSFYI KPSSVEDLVD FAAGKVLDAL GVKVDVYRRW RGPEEGD
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	21,185 Da
Sequence Positions	1-197, 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 Q9YBF0
Species	Aeropyrum pernix (strain 700893 / DSM 11879 / JCM 9820 / NBRC 100138 / K1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for APE_1647 recombinant protein	MBS1436871 is a recombinant protein targeting APE_1647. Also known as Recombinant Aeropyrum pernix Probable aromatic acid decarboxylase (APE_1647). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of APE_1647 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 APE_1647. It may not necessarily be applicable to this product.

NCBI GI #	13124434
NCBI Accession #	Q9YBF0.1
UniProt Primary Accession #	Q9YBF0
NCBI Official Full Name	Flavin prenyltransferase UbiX

UniProt Protein Name	Flavin prenyltransferase UbiX
UniProt Gene Name	ubiX
UniProt Comments for APE_1647	Flavin prenyltransferase that catalyzes the synthesis of the prenylated FMN cofactor (prenyl-FMN) for 4-hydroxy-3-polyprenylbenzoic acid decarboxylase UbiD. The prenyltransferase is metal-independent and links a dimethylallyl moiety from dimethylallyl monophosphate (DMAP) to the flavin N5 and C6 atoms of FMN.
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