Probable Aromatic Acid Decarboxylase (BH1651) Bacillus Halodurans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable aromatic acid decarboxylase (BH1651), Recombinant Protein
Full Product Name	Recombinant Bacillus halodurans Probable aromatic acid decarboxylase (BH1651)
Product Gene Name	BH1651 recombinant protein
Product Synonym Gene Name	BH1651
Sequence	MTVYKGIYTV GITGASGAQY GIRLVQEMKK KGYKVHLVIT EAGWQVFREE LLIQTDDRKM VIDELFAAGD GEVSFHQLDD YTAPIASGSY QNRGMIIIPC SMGTLSGIAQ GASGNLLERT ADVMLKEKRR LVIVPRETPL NQIHLENMLK LSKMGVTILP AMPGFYQLPK TMDDLIDFVV GKALDQLGIE HELFTRWGEE RDNHSR
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	23,059 Da
Sequence Positions	1-206, 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 Q9KCC2
Species	Bacillus halodurans (strain BAA-125 / DSM 18197 / FERM 7344 / JCM 9153 / C-125)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for BH1651 recombinant protein	MBS1335686 is a recombinant protein targeting BH1651. Also known as Recombinant Bacillus halodurans Probable aromatic acid decarboxylase (BH1651). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of BH1651 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 BH1651. It may not necessarily be applicable to this product.

NCBI GI #	13124418
NCBI Accession #	Q9KCC2.1
UniProt Primary Accession #	Q9KCC2
NCBI Official Full Name	Flavin prenyltransferase UbiX
UniProt Protein Name	Flavin prenyltransferase UbiX

UniProt Gene Name	ubiX
UniProt Comments for BH1651	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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