Probable Chorismate--Pyruvate Lyase 1 (ubiC1) Burkholderia Pseudomallei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable chorismate--pyruvate lyase 1 (ubiC1), Recombinant Protein
Full Product Name	Recombinant Burkholderia pseudomallei Probable chorismate--pyruvate lyase 1 (ubiC1)
Product Gene Name	ubiC1 recombinant protein
Product Synonym Gene Name	ubiC1
Sequence	MNTSSGWSRQ PPASLSELEI HWLFAPGSLT ERLSALGEYS LEPVDQRHAA ACAADASLLG VEPDSPIWVR EVVMRLDAQP CVTARSIASA HALETQWKPL TGYGSLPLGH ILYDDPAIVR APFECALLMP DDPLDAISRR YARAAAPPRA RRSAFVRNGA TLVVSECFLP QFWSGFAQAR LAGA
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	19,954 Da
Sequence Positions	1-184, 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 Q3JJ81
Species	Burkholderia pseudomallei (strain 1710b)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ubiC1 recombinant protein	MBS1312020 is a recombinant protein targeting ubiC1. Also known as Recombinant Burkholderia pseudomallei Probable chorismate--pyruvate lyase 1 (ubiC1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ubiC1 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 ubiC1. It may not necessarily be applicable to this product.

NCBI GI #	490664345
NCBI Accession #	WP_004529335.1
UniProt Primary Accession #	Q3JJ81
GenBank Nucleotide #	WP_004529335.1
NCBI Official Full Name	chorismate--pyruvate lyase

UniProt Protein Name	Probable chorismate pyruvate-lyase 1
Protein Family	Probable chorismate pyruvate-lyase
UniProt Gene Name	ubiC1
UniProt Synonym Gene Names	CL 1; CPL 1
UniProt Comments for ubiC1	Removes the pyruvyl group from chorismate, with concomitant aromatization of the ring, to provide 4-hydroxybenzoate (4HB) for the ubiquinone pathway.
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