Probable Chorismate--Pyruvate Lyase (ubiC) Idiomarina Loihiensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable chorismate--pyruvate lyase (ubiC), Recombinant Protein
Full Product Name	Recombinant Idiomarina loihiensis Probable chorismate--pyruvate lyase (ubiC)
Product Gene Name	ubiC recombinant protein
Product Synonym Gene Name	ubiC
Sequence	MTTEFYATPA FPVSKALQWT PPEQLELTPT QADWLLYEGS LTERLKQIGQ QFSVKLLGQQ LLAPNTEEKQ RLKGKDQAVI REVLLYCNEK PWVFARSLFS PSAENANTLN LQQLGNQSLG ESLFARSDLY CGDIEVAKVA LEHPVARLNQ QWFGINQRLL SRRRIFSTGG EQLLVSEVFL QPSPLYSSPN NRS
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	21,869 Da
Sequence Positions	1-193, 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 Q5QUP2
Species	Idiomarina loihiensis (strain BAA-735 / DSM 15497 / L2-TR)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ubiC recombinant protein	MBS1420849 is a recombinant protein targeting ubiC. Also known as Recombinant Idiomarina loihiensis Probable chorismate--pyruvate lyase (ubiC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ubiC 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 ubiC. It may not necessarily be applicable to this product.

NCBI GI #	499552744
NCBI Accession #	WP_011233527.1
UniProt Primary Accession #	Q5QUP2
GenBank Nucleotide #	WP_011233527.1
NCBI Official Full Name	chorismate--pyruvate lyase
UniProt Protein Name	Probable chorismate pyruvate-lyase

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