Probable Chorismate--Pyruvate Lyase 2 (ubiC2) Pseudomonas Entomophila Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable chorismate--pyruvate lyase 2 (ubiC2), Recombinant Protein
Full Product Name	Recombinant Pseudomonas entomophila Probable chorismate--pyruvate lyase 2 (ubiC2)
Product Gene Name	ubiC2 recombinant protein
Product Synonym Gene Name	ubiC2
Sequence	MPYETPQAAA VAWLPYSQLA TTLDQPTLDW LFDEGSLTRR LTRLSHDHFS VTPLFEGWQP LRDDECAALG LAPGEEGWVR EVYLRGHDQP WVFARSVAGR SVLERGGLDL ETLGTRSLGE LLFCDQAFIR HPLEACRYPQ TWLPTKVAHE GLWGRRSRFE RSGLDLLVAE VFLPALWQAA KEETR
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	21,060 Da
Sequence Positions	1-185, 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 Q1I2R4
Species	Pseudomonas entomophila (strain L48)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ubiC2 recombinant protein	MBS1320925 is a recombinant protein targeting ubiC2. Also known as Recombinant Pseudomonas entomophila Probable chorismate--pyruvate lyase 2 (ubiC2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ubiC2 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 ubiC2. It may not necessarily be applicable to this product.

NCBI GI #	499855690
NCBI Accession #	WP_011536424.1
UniProt Primary Accession #	Q1I2R4
GenBank Nucleotide #	WP_011536424.1
NCBI Official Full Name	chorismate--pyruvate lyase

UniProt Protein Name	Probable chorismate pyruvate-lyase 2
Protein Family	Probable chorismate pyruvate-lyase
UniProt Gene Name	ubiC2
UniProt Synonym Gene Names	CL 2; CPL 2
UniProt Comments for ubiC2	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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