3,4-Dihydroxy-2-Butanone 4-Phosphate Synthase (ribB) Pseudomonas Putida Recombinant Protein

PRODUCT OVERVIEW

Product Name	3,4-dihydroxy-2-butanone 4-phosphate synthase (ribB), Recombinant Protein
Full Product Name	Recombinant Pseudomonas putida 3,4-dihydroxy-2-butanone 4-phosphate synthase (ribB)
Product Gene Name	ribB recombinant protein
Product Synonym Gene Name	ribB
Sequence	MFTQHHAQFP NVSAAIAAFQ AGRPVLLLDD DDREDEADII AAAENITLQT MAMMIRDCSG IVCLCLDEAT VDELQLAPMV QNNQARHGTG FTVTIEAAEG ITTGVSAQDR ITTIDAALRS SAEQRHIVSP GHVFPLRARN GGVLTRRGHT EGSVDLARLA GLRPAAVLCE LMNPDGSMAR GEQVAVYARQ YNLPVLTIEE LARYREAMLE REAEPA
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	23,407 Da
Sequence Positions	1-216, 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 Q88QG4
Species	Pseudomonas putida (strain KT2440)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ribB recombinant protein	MBS1398620 is a recombinant protein targeting ribB. Also known as Recombinant Pseudomonas putida 3,4-dihydroxy-2-butanone 4-phosphate synthase (ribB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ribB 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 ribB. It may not necessarily be applicable to this product.

NCBI GI #	26987268
NCBI GeneID	1044306
NCBI Accession #	NP_742693.1
UniProt Primary Accession #	Q88QG4

UniProt Related Accession #	Q88QG4
GenBank Nucleotide #	NC_002947.4
NCBI Official Full Name	3,4-dihydroxy-2-butanone 4-phosphate synthase
NCBI Official Symbol	ribB
UniProt Protein Name	3,4-dihydroxy-2-butanone 4-phosphate synthase
Protein Family	3,4-dihydroxy-2-butanone 4-phosphate synthase
UniProt Gene Name	ribB
UniProt Synonym Gene Names	DHBP synthase
NCBI Protein Information	3,4-dihydroxy-2-butanone-4-phosphate synthase
UniProt Comments for ribB	Catalyzes the conversion of D-ribulose 5-phosphate to formate and 3,4-dihydroxy-2-butanone 4-phosphate.
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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