Imidazoleglycerol-Phosphate Dehydratase (hisB) Prochlorococcus Marinus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Imidazoleglycerol-phosphate dehydratase (hisB), Recombinant Protein
Full Product Name	Recombinant Prochlorococcus marinus Imidazoleglycerol-phosphate dehydratase (hisB)
Product Gene Name	hisB recombinant protein
Sequence	MSSSRQAEIK RKTNETDISI FINIDGNGIS EIDTGIPFLD HMLHQISSHG LFDLKIRAIG DTHIDDHHTN EDVGIALGKA FTKALGERKG INRFGHFFAP LDEALVQVTL DCSGRPHLSY GLKLKAPRIG NYDTELVREF FIAFVNSSGI TLHINQIEGR NSHHIVEACF KAFSRSMRMA TEIDLRRSGT IPSSKGMLEI D
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	22,402 Da
Sequence Positions	1-201, 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 A2BUR2
Species	Prochlorococcus marinus (strain MIT 9515)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hisB recombinant protein	MBS1225977 is a recombinant protein targeting hisB. Also known as Recombinant Prochlorococcus marinus Imidazoleglycerol-phosphate dehydratase (hisB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hisB 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 hisB. It may not necessarily be applicable to this product.

NCBI GI #	500143629
NCBI Accession #	WP_011819632.1
UniProt Primary Accession #	A2BUR2
GenBank Nucleotide #	WP_011819632.1
NCBI Official Full Name	imidazoleglycerol-phosphate dehydratase
UniProt Protein Name	Imidazoleglycerol-phosphate dehydratase

Protein Family	Histidine biosynthesis bifunctional protein
UniProt Gene Name	hisB
UniProt Synonym Gene Names	IGPD
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