Imidazoleglycerol-Phosphate Dehydratase (hisB) Thermosynechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Imidazoleglycerol-phosphate dehydratase (hisB), Recombinant Protein
Full Product Name	Recombinant Thermosynechococcus elongatus Imidazoleglycerol-phosphate dehydratase (hisB)
Product Gene Name	hisB recombinant protein
Product Synonym Gene Name	hisB
Sequence	MNDSLLSNGH APPLRQATVD RQTKETKVHV ELTLDGNGLA DNHTGIPFLN HMLDQLCAHG LVDLRVQASG DTHIDDHHTN EDVGITLGMA LDQALGDRRG IQRFGHFVAP LDESLVEVAL DFSGRPHLNY GLQIPTQRVG TYDTQLVREF FVALVNHSRM TLHIRQLDGM NSHHIIEATF KAFARALRMA IALDPRRAQQ IPSSKGVIQA
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	23,269 Da
Sequence Positions	1-210, 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 Q8DMI3
Species	Thermosynechococcus elongatus (strain BP-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hisB recombinant protein	MBS1354974 is a recombinant protein targeting hisB. Also known as Recombinant Thermosynechococcus elongatus 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 #	22297677
NCBI GeneID	1010334
NCBI Accession #	NP_680924.1
UniProt Primary Accession #	Q8DMI3
UniProt Related Accession #	Q8DMI3

GenBank Nucleotide #	NC_004113.1
NCBI Official Full Name	imidazoleglycerol-phosphate dehydratase
NCBI Official Symbol	hisB
UniProt Protein Name	Imidazoleglycerol-phosphate dehydratase
Protein Family	Histidine biosynthesis bifunctional protein
UniProt Gene Name	hisB
UniProt Synonym Gene Names	IGPD
NCBI Protein Information	imidazoleglycerol-phosphate dehydratase
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