Imidazoleglycerol-Phosphate Dehydratase (hisB) Chromobacterium Violaceum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Imidazoleglycerol-phosphate dehydratase (hisB), Recombinant Protein
Full Product Name	Recombinant Chromobacterium violaceum Imidazoleglycerol-phosphate dehydratase (hisB)
Product Gene Name	hisB recombinant protein
Product Synonym Gene Name	hisB; CV_0614
Product Synonym Names	Imidazoleglycerol-phosphate dehydratase; IGPD; EC=4.2.1.19
Sequence	MRTATVTRNT LETQITVSLN LDGTGVGRFE TGVPFLDHMM DQIARHGLID LDVKAVGDLH IDAHHTVEDI GITLGQAFAK AIGDKKGIRR YGHAYVPLDE ALSRVVIDLS GRPGLVYNVD YTRACIGQFD VDLFSEFFHG FVNHSMVTLH IDNLRGHNSH HQAETIFKAF GRALRMACEH DERMAGITPS TKGTLSV
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	21,752 Da
Sequence Positions	1-197aa; 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 Q7P0F3
Species	Chromobacterium violaceum (strain 12472 / DSM 30191 / JCM 1249 / NBRC 12614 / NCIMB 9131 / 9757)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hisB recombinant protein	MBS1384803 is a recombinant protein targeting hisB. Also known as Recombinant Chromobacterium violaceum 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 #	34496069
NCBI GeneID	2548395
NCBI Accession #	NP_900284.1
UniProt Primary Accession #	Q7P0F3

UniProt Related Accession #	Q7P0F3
GenBank Nucleotide #	NC_005085.1
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
UniProt Entry Name	HIS7_CHRVO
NCBI Protein Information	imidazoleglycerol-phosphate dehydratase
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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