1- (5-Phosphoribosyl)-5-[(5-Phosphoribosylamino)methylideneamino] Imidazole-4-Carboxamide Isomerase (hisA) Corynebacterium Jeikeium Recombinant Protein

PRODUCT OVERVIEW

Product Name	1- (5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide isomerase (hisA), Recombinant Protein
Full Product Name	Recombinant Corynebacterium jeikeium 1- (5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide isomerase (hisA)
Product Gene Name	hisA recombinant protein
Product Synonym Gene Name	hisA
Sequence	MASTDNSRAL TLLPAVDVAD GQAVRLVQGA AGTETSYGAP IEAALAWQNA GAEWIHLVDL DAAFGRGSNF ELLKEVTGQL DVNVELSGGI RDDESLERAL STGCRRVNIG TAALEDPEWC ESVISRYGDK VAIGLDTREV DGEWRLRGRG WTSDGGELWE VLERLDSQGV SRLVVTDVSR DGMLNGPNID LLREVAAATD APVVASGGIS SLDDIRALAA VVHEGVDSAI VGKALYAGKF TLEEALEAAQ GVARGSDI
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	27,173 Da
Sequence Positions	1-258, 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 Q4JW54
Species	Corynebacterium jeikeium (strain K411)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hisA recombinant protein	MBS1374708 is a recombinant protein targeting hisA. Also known as Recombinant Corynebacterium jeikeium 1- (5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide isomerase (hisA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hisA 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 hisA. It may not necessarily be applicable to this product.

NCBI GI #	499592662
NCBI Accession #	WP_011273396.1
UniProt Primary Accession #	Q4JW54

GenBank Nucleotide #	WP_011273396.1
NCBI Official Full Name	bifunctional 1-(5-phosphoribosyl)-5-((5-phosphoribosylamino)methylideneamino)imidazole-4-carboxamide isomerase/phosphoribosylanthranilate isomerase PriA
UniProt Protein Name	1-(5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide isomerase
UniProt Synonym Protein Names	Phosphoribosylformimino-5-aminoimidazole carboxamide ribotide isomerase
UniProt Gene Name	hisA
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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