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

PRODUCT OVERVIEW

Product Name	1- (5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide isomerase (hisA), Recombinant Protein
Full Product Name	Recombinant Yersinia pseudotuberculosis serotype O:1b 1- (5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide isomerase
Product Gene Name	hisA recombinant protein
Sequence	MIIPALDLIE GKVVRLHQGD YGQQRDYGNH PLPRLQDYQQ QGAQVLHLVD LTGAKDPAAR QIPLLRELLA GVDVPVQVGG GIRNEQDVVA LLEAGAARVV VGSTAVKQPE MVQQWFERYG AEAIVLALDV RINEAGCKHV AISGWQENSD ATLEQIVEQY LPYGLKHVLC TDISRDGTLS GSNVELYQEV CQRYPQVAFQ ASGGIGCLDD IARLRGSGVQ GVIVGRALLD GKFNVKEAIA CWQNV
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	26,647 Da
Sequence Positions	1-245, Full length
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 A7FJH4
Species	Yersinia pseudotuberculosis serotype O:1b (strain IP 31758)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hisA recombinant protein	MBS1237557 is a recombinant protein targeting hisA. Also known as Recombinant Yersinia pseudotuberculosis serotype O:1b 1- (5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide isomerase. 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 #	488140683
NCBI Accession #	WP_002211891.1
UniProt Primary Accession #	A7FJH4
GenBank Nucleotide #	WP_002211891.1

NCBI Official Full Name	MULTISPECIES: 1-(5-phosphoribosyl)-5-((5-phosphoribosylamino)methylideneamino)imidazole-4-carboxamide isomerase
UniProt Protein Name	1-(5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide isomerase
UniProt Synonym Protein Names	Phosphoribosylformimino-5-aminoimidazole carboxamide ribotide isomerase
Protein Family	1-(5-phosphoribosyl)-5-[(5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide 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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Online datasheet: https://www.mybiosource.com/hisa-recombinant-protein/1-5-phosphoribosyl-5-5-phosphoribosylamino-methylideneamino-imidazole-4-carboxamide-isomerase/1237557