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

## PRODUCT OVERVIEW

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| **Product Name** | 1- (5-phosphoribosyl)-5-[ (5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide isomerase (hisA), Recombinant Protein |
| **Full Product Name** | Recombinant Rhizobium etli 1- (5-phosphoribosyl)-5-[ (5-phosphoribosylamino)methylideneamino] imidazole-4-carboxamide isomerase (hisA) |
| **Product Gene Name** | hisA recombinant protein |
| **Product Synonym Gene Name** | hisA |
| **Sequence** | MILFPAIDLK GGQCVRLKLG DMQQATVYNT DPAAQAKSFE DQGFEWLHVV DLDGAFAGHS ANGDAVEAIL KATKNPVQLG GGIRTLDHIE AWLSRGLRRV ILGTVAVRNP ELVIEACRKF PGRVAVGIDA KGGKVAVEGW AEASELGIIE LAKKFEGAGV AAIIYTDIDR DGILTGINWS STLELADAVS IPVIASGGLA SLNDIKRMLQ PDARKLEGAI SGRALYDGRI DPKEALALIN ANRAKETA |
| **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** | 26,307 Da |
| **Sequence Positions** | 1-248, 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 Q2KE60 |
| **Species** | Rhizobium etli (strain CFN 42 / 51251) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for hisA recombinant protein** | MBS1420531 is a recombinant protein targeting hisA. Also known as Recombinant Rhizobium etli 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.

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| **NCBI GI #** | 499742713 |
| **NCBI Accession #** | WP_011423447.1 |
| **UniProt Primary Accession #** | Q2KE60 |

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| **GenBank Nucleotide #** | WP_011423447.1 |
| **NCBI Official Full Name** | 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 |
| **UniProt Gene Name** | hisA |
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