ATP Phosphoribosyltransferase (hisG) Gloeobacter Violaceus Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP phosphoribosyltransferase (hisG), Recombinant Protein
Full Product Name	Recombinant Gloeobacter violaceus ATP phosphoribosyltransferase (hisG)
Product Gene Name	hisG recombinant protein
Product Synonym Gene Name	hisG
Sequence	MNITIALPKG ALLKGTIARL QAIGIDFGEF LEGSNRLLRL EDRSGRYEGL LVRAQDVPVY VAYGQAQVGI VGFDVLKEKQ LPVAQVADLG FGYCRMSVAV KSDSPYRSVQ DLPAHCRVAS KFTTCARSYF EERELPVELI PLYGSVELAP LTGMAEAIVD LVSTGRTLKD NGLVELEKIF DSTARLIAHP LSYRLGRVGL HELLGQIRTA AVPA
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	23,330 Da
Sequence Positions	1-214, 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 Q7NFZ1
Species	Gloeobacter violaceus (strain PCC 7421)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hisG recombinant protein	MBS1308325 is a recombinant protein targeting hisG. Also known as Recombinant Gloeobacter violaceus ATP phosphoribosyltransferase (hisG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hisG 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 hisG. It may not necessarily be applicable to this product.

NCBI GI #	37522952
NCBI GeneID	2601787
NCBI Accession #	NP_926329.1
UniProt Primary Accession #	Q7NFZ1
UniProt Related Accession #	Q7NFZ1
GenBank Nucleotide #	NC_005125.1

NCBI Official Full Name	ATP phosphoribosyltransferase
NCBI Official Symbol	hisG
UniProt Protein Name	ATP phosphoribosyltransferase
Protein Family	ATP phosphoribosyltransferase
UniProt Gene Name	hisG
UniProt Synonym Gene Names	ATP-PRT; ATP-PRTase
NCBI Protein Information	ATP phosphoribosyltransferase
UniProt Comments for hisG	Catalyzes the condensation of ATP and 5-phosphoribose 1-diphosphate to form N'-(5'-phosphoribosyl)-ATP (PR-ATP). Has a crucial role in the pathway because the rate of histidine biosynthesis seems to be controlled primarily by regulation of HisG enzymatic activity.
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