Histidine--Trna Ligase (hisS) Chlorobium Limicola Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histidine--tRNA ligase (hisS), Recombinant Protein
Full Product Name	Recombinant Chlorobium limicola Histidine--tRNA ligase (hisS)
Product Gene Name	hisS recombinant protein
Sequence	MPHYQVVKGA RDIFPDEILQ WKHVEGVIHR LAALYGFNEI RTPVFEYTEL FQRSIGSSTD IVGKEMFSFL PDPSGRSITL RPEMTAGVMR AALQKNLLAA APVQKLYYIS ELFRKERPQA GRQRQFSQFG AELLGVSSPA AVAEVITFMM HVFEDLGLQG LKLRINTLGN MDDRKRYRDA LRNYLAPCYE QLDDASKERF EKNPLRILDS KNPEMQQIVK DAPKLYDYLG REALDDFEKV LFYLSARGIP FQIDHRLVRG LDYYSYTAFE VTSSALGAQD ALGGGGRYDS LAVELGSSGE VPASGFAVGM ERLLIAMQKQ GLFSDLDAAA PSVFVIVQQE ELFDQALEIV TTLRRAGISA VIDLAGRSMK AQLREANRMN AANALFVGSD ELASGKCTMK DLRSSLQDEY FLEEIIDKFR KPEPLNRLRS
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	48,324 Da
Sequence Positions	1-430, 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 B3EFA6
Species	Chlorobium limicola (strain DSM 245 / NBRC 103803)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hisS recombinant protein	MBS1227527 is a recombinant protein targeting hisS. Also known as Recombinant Chlorobium limicola Histidine--tRNA ligase (hisS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hisS 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 hisS. It may not necessarily be applicable to this product.

NCBI GI #	501441821
NCBI Accession #	WP_012465270.1
UniProt Primary Accession #	B3EFA6
GenBank Nucleotide #	WP_012465270.1
NCBI Official Full Name	histidine--tRNA ligase

UniProt Protein Name	Histidine--tRNA ligase
UniProt Synonym Protein Names	Histidyl-tRNA synthetase
Protein Family	Histidine--tRNA ligase
UniProt Gene Name	hisS
UniProt Synonym Gene Names	HisRS
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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