Putative Histidine Biosynthesis Bifunctional Protein Hiscd (hisCD) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative histidine biosynthesis bifunctional protein hisCD (hisCD), Recombinant Protein
Full Product Name	Recombinant Photorhabdus luminescens subsp. laumondii Putative histidine biosynthesis bifunctional protein hisCD (hisCD), partial
Product Gene Name	hisCD recombinant protein
Product Synonym Gene Name	hisCD
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	88,850 Da
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 Q7N6I1
Species	Photorhabdus luminescens subsp. laumondii (strain TT01)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hisCD recombinant protein	MBS1326888 is a recombinant protein targeting hisCD. Also known as Recombinant Photorhabdus luminescens subsp. laumondii Putative histidine biosynthesis bifunctional protein hisCD (hisCD), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hisCD 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 hisCD. It may not necessarily be applicable to this product.

NCBI GI #	499458402
NCBI Accession #	WP_011145866.1
UniProt Primary Accession #	Q7N6I1
GenBank Nucleotide #	WP_011145866.1
NCBI Official Full Name	histidinol-phosphate transaminase
UniProt Protein Name	Putative histidine biosynthesis bifunctional protein HisCD
UniProt Synonym Protein Names	Histidinol dehydrogenase (EC:1.1.1.23); HDHHistidinol-phosphate aminotransferase (EC:2.6.1.9)Alternative name(s):Imidazole acetol-phosphate transaminase

Protein Family	Putative histidine biosynthesis bifunctional protein
UniProt Gene Name	hisCD
UniProt Synonym Gene Names	hisD; HDH
UniProt Comments for hisCD	Catalyzes the sequential NAD-dependent oxidations of L-histidinol to L-histidinaldehyde and then to L-histidine.
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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