Histidinol Dehydrogenase (hisD) Nitrosococcus Oceani Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histidinol dehydrogenase (hisD), Recombinant Protein
Full Product Name	Recombinant Nitrosococcus oceani Histidinol dehydrogenase (hisD)
Product Gene Name	hisD recombinant protein
Product Synonym Gene Name	hisD
Sequence	MVEMTRLDIA QGDFWLCLEQ RLAWEGVADE TVVATVREIL KAIRCRGDEA LLEYTQRFDG LEIARAPELE IPTSRLQAAL TAISREQREA LQVAAERITT YHRHQKQESW SYTEPDGTLL GQQVRPLDRV GLYVPGGKAA YPSSVLMNAL PAKVAGVSEL IMVVPTPKGE MNDLVLGAAA IAGVDRVFTV GGAQAVAALA FGTESVPRVD KIVGPGNMYV ATAKSMVFGQ VGIDMIAGPS EILVLCDGKT DPEWIAMDLF SQAEHDEAAQ AILLSPDGVF LDKVTEAMAR LLPTLERQEV IANSLRSRGT LIKVENLDQA LEVINFIAPE HLELSVEDPQ ALASRVRHAG AIFMGRYTAE AIGDYCAGSN HVLPTSRTAR FSSPLGVYDF QKRSSLIQCS PQGSQTLGRV ASVLARGEGL TAHARSAEYR LKG
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	46,883 Da
Sequence Positions	1-433, 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 Q3J7H1
Species	Nitrosococcus oceani (strain 19707 / NCIMB 11848)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hisD recombinant protein	MBS1436479 is a recombinant protein targeting hisD. Also known as Recombinant Nitrosococcus oceani Histidinol dehydrogenase (hisD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hisD 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 hisD. It may not necessarily be applicable to this product.

NCBI GI #	488901644
NCBI Accession #	WP_002812729.1
UniProt Primary Accession #	Q3J7H1
GenBank Nucleotide #	WP_002812729.1

NCBI Official Full Name	histidinol dehydrogenase
UniProt Protein Name	Histidinol dehydrogenase
Protein Family	Histidinol dehydrogenase
UniProt Gene Name	hisD
UniProt Synonym Gene Names	HDH
UniProt Comments for hisD	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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