Histidinol Dehydrogenase 2 (hisD2) Bacillus Clausii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histidinol dehydrogenase 2 (hisD2), Recombinant Protein
Full Product Name	Recombinant Bacillus clausii Histidinol dehydrogenase 2 (hisD2)
Product Gene Name	hisD2 recombinant protein
Product Synonym Gene Name	hisD2
Sequence	MKIIELKEGE AVSLKRSGLH GSEAEIATVN TIIETVKKEG DQALVDYTQQ FDGVELTDLC VTKAELDNAY RHIDQPVLAA IRQAIANVRA FHEQQKAKSW FQTAPDGTIL GQRVTPLDAV GVYVPGGKAA YPSSIIMNVV PAQVAGVKDI SMVSPSGKNG TLPPAVLATA AELGVHTIYK LGGAQAVAAL AYGTETVRPV DKITGPGNKY VALAKRAVFG DVAIDMIAGP SEICVLADEK ANPAYVAADL LSQAEHDEDA TAVLVTPSRK LAEAVQQETA RQLATLPRKE IAGRALEQFG ALYVTASLAQ AIEVVNQLAP EHLEIATEEP LALLGRVKHA GAIFLGSYSA EPVGDYFAGP NHVLPTNGTA RFASPLSVDD FVKKSSIISY SKTALAENGK AITELARLEG LEAHARAIDI RLEDM
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	44,989 Da
Sequence Positions	1-425, Full length
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 Q5WDH8
Species	Bacillus clausii (strain KSM-K16)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hisD2 recombinant protein	MBS1341650 is a recombinant protein targeting hisD2. Also known as Recombinant Bacillus clausii Histidinol dehydrogenase 2 (hisD2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hisD2 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 hisD2. It may not necessarily be applicable to this product.

NCBI GI #	499567107
NCBI Accession #	WP_011247890.1
UniProt Primary Accession #	Q5WDH8
GenBank Nucleotide #	WP_011247890.1

NCBI Official Full Name	MULTISPECIES: histidinol dehydrogenase
UniProt Protein Name	Histidinol dehydrogenase 2
Protein Family	Histidinol dehydrogenase
UniProt Gene Name	hisD2
UniProt Synonym Gene Names	HDH 2
UniProt Comments for hisD2	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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