Histidinol Dehydrogenase (hisD) Moorella Thermoacetica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histidinol dehydrogenase (hisD), Recombinant Protein
Full Product Name	Recombinant Moorella thermoacetica Histidinol dehydrogenase (hisD)
Product Gene Name	hisD recombinant protein
Product Synonym Gene Name	hisD
Sequence	MLPLIDGKEV KRRWSGRLLA REGVAARVRE IIAAVKREGQ AAVERYTLEL DGVDLKEAGF RVTREEIGAA YRAVSPDLLE ALRIARDNIA TYHRRQPRGS WMETAADGTI LGQICRPLGR VGLYVPGGTA AYPSSVLMTA VPARVAGVRE IALATPPRRD GTLPPLLLVA AAEAGVEEIY KMGGAQAVAA LAYGTEKVAP VDKIAGPGNI YVTLAKKEVY GQVDIDMLAG PSEIVVIADG KARPDWVAAD LLSQAEHDAL AGAVLITPDA GLARAVGEEV TRQLEALPRR EIASRSLADY GAAVVVTGLD AAMDLANSLA PEHLELYVSE PWSWLGRVEN AGAIFLGPYS SEPLGDYLAG PSHVLPTGGT ARFYSPLSVD TFLKKSSLIA CNRAGFRAAA GYIQALARAE GLEGHARAIE LREE
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	45,045 Da
Sequence Positions	1-424, 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 Q2RGV8
Species	Moorella thermoacetica (strain 39073)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hisD recombinant protein	MBS1315014 is a recombinant protein targeting hisD. Also known as Recombinant Moorella thermoacetica 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 #	499712797
NCBI GeneID	3831410
NCBI Accession #	WP_011393531.1
UniProt Primary Accession #	Q2RGV8

UniProt Related Accession #	Q2RGV8
GenBank Nucleotide #	WP_011393531.1
NCBI Official Full Name	histidinol dehydrogenase
NCBI Official Symbol	Moth_2035
UniProt Protein Name	Histidinol dehydrogenase
Protein Family	Histidinol dehydrogenase
UniProt Gene Name	hisD
UniProt Synonym Gene Names	HDH
NCBI Protein Information	histidinol dehydrogenase
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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