Histidinol Dehydrogenase (hisD) Chlorobium Chlorochromatii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Histidinol dehydrogenase (hisD), Recombinant Protein
Full Product Name	Recombinant Chlorobium chlorochromatii Histidinol dehydrogenase (hisD)
Product Gene Name	hisD recombinant protein
Product Synonym Gene Name	hisD
Sequence	MLPLYRFPQE ASALQERLVR HVSFDEAAHK AVDEILAKVR QQGDRAVLNY TEQFQGVRLT SMQVDEEAIE MAYRHADPSL IATLHEAYAN IVRFHEHEVE RSFFYEAEGG VLLGQRVRPM ERAMLYVPGG KAAYPSSLLM NAAPAKVAGV CEIAVTTPCD ATGVVNPTIL AAAKVAGISS IYKIGGAQAV AAFAYGTESI PKVDIITGPG NKYVALAKKQ VFGHVAIDSI AGPSEVVIIA DESAHAEFVA LDMFAQAEHD PDASAVLITT SESFAQAVQQ AVASLLPTML RHETIASSLL HNGAMVLVPS LDDACAVSDM LAPEHLELHV VQPWDILPKL KHAGAIFMGS YSCETIGDYF AGPNHTLPTS GTARFFSPLS VRDFVKHTSI ISYSPEQLRS KGAQIAAFAD AEGLQAHAEA VRVRLKTL
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	46,058 Da
Sequence Positions	1-428, 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 Q3AR25
Species	Chlorobium chlorochromatii (strain CaD3)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hisD recombinant protein	MBS1360060 is a recombinant protein targeting hisD. Also known as Recombinant Chlorobium chlorochromatii 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 #	499681580
NCBI Accession #	WP_011362314.1
UniProt Primary Accession #	Q3AR25
GenBank Nucleotide #	WP_011362314.1

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.
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