ADP-L-Glycero-D-Manno-Heptose-6-Epimerase (hldD) Yersinia Pestis Bv. Antiqua Recombinant Protein

PRODUCT OVERVIEW

Product Name	ADP-L-glycero-D-manno-heptose-6-epimerase (hldD), Recombinant Protein
Full Product Name	Recombinant Yersinia pestis bv. Antiqua ADP-L-glycero-D-manno-heptose-6-epimerase (hldD)
Product Gene Name	hldD recombinant protein
Product Synonym Gene Name	hldD
Sequence	MIIVTGGAGF IGSNIVKALN NIGYKDILVV DNLKDGTKFV NLVDLDIADY MDKEDFVASI VAGDDMGDID AIFHEGACSS TTEWDGKYMM DNNYQYSKDI LHFCLDRSIP FLYASSAATY GGRTDNFIED RQYEQPLNVY GYSKFLFDQY VREILPQADS QICGFRYFNV YGPREGHKGS MASVAFHLNN QINAGERPKL FAGSENFKRD FIYVGDVADV NLWFWQNGVS GIFNCGTGRA ESFQAVADAV VDYHQSGPVE YIEFPEKLKG RYQAYTQADL TKLRAAGYGK PFKTVAEGVK EYLAWLNRSV
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	34,780 Da
Sequence Positions	1-310, 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 Q1CD11
Species	Yersinia pestis bv. Antiqua (strain Nepal516)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hldD recombinant protein	MBS1420339 is a recombinant protein targeting hldD. Also known as Recombinant Yersinia pestis bv. Antiqua ADP-L-glycero-D-manno-heptose-6-epimerase (hldD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hldD 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 hldD. It may not necessarily be applicable to this product.

NCBI GI #	488137775
NCBI Accession #	WP_002208983.1
UniProt Primary Accession #	Q1CD11
UniProt Secondary Accession #	D1Q2F2

GenBank Nucleotide #	WP_002208983.1
NCBI Official Full Name	MULTISPECIES: ADP-L-glycero-D-mannoheptose-6-epimerase
UniProt Protein Name	ADP-L-glycero-D-manno-heptose-6-epimerase
UniProt Synonym Protein Names	ADP-L-glycero-beta-D-manno-heptose-6-epimerase
Protein Family	ADP-L-glycero-D-manno-heptose-6-epimerase
UniProt Gene Name	hldD
UniProt Synonym Gene Names	ADP-glyceromanno-heptose 6-epimerase; ADP-hep 6-epimerase; AGME
UniProt Comments for hldD	Catalyzes the interconversion between ADP-D-glycero-beta-D-manno-heptose and ADP-L-glycero-beta-D-manno-heptose via an epimerization at carbon 6 of the heptose.
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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