# ADP-L-Glycero-D-Manno-Heptose-6-Epimerase (hldD) Rhodoferax Ferrireducens Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | ADP-L-glycero-D-manno-heptose-6-epimerase (hldD), Recombinant Protein |
| **Full Product Name** | Recombinant Rhodoferax ferrireducens ADP-L-glycero-D-manno-heptose-6-epimerase (hldD) |
| **Product Gene Name** | hldD recombinant protein |
| **Product Synonym Gene Name** | hldD |
| **Sequence** | MTRIVVTGAA GFIGSNIIQG LNARGLNDII AIDDLTQGDK FRNLAHLKIS DYVDASVFYD LFANGAYGQI EAVFHEGACS DTMESNGKYM MDNNYATSVN LFQACQKRGA RLLYASSAAT YGGSDTFRED PAFERPLNVY GYSKLLFDQR MRRECGNDFR RSVAGKTGQV VGFRYFNVYG PHEQHKGRMA SVAFHQFHQF QAEGKVKLFA DYGGYAAGAQ MRDFIFIDDV VAVNLWFFDH PGVSGIFNLG TGRAQPFNDV ASSVVNALRG LSGQTALGLE ALTEAGLIEY IPFPDALRGK YQSYTQADLS ALRATGCDHP FADVQTGVSN YVQWLAQQDS |
| **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** | 37,384 Da |
| **Sequence Positions** | 1-340, 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 Q21Y60 |
| **Species** | Rhodoferax ferrireducens (strain DSM 15236 / BAA-621 / T118) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for hldD recombinant protein** | MBS1332251 is a recombinant protein targeting hldD. Also known as Recombinant Rhodoferax ferrireducens 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.

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| **NCBI GI #** | 499783127 |
| **NCBI Accession #** | WP_011463861.1 |
| **UniProt Primary Accession #** | Q21Y60 |
| **GenBank Nucleotide #** | WP_011463861.1 |

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| **NCBI Official Full Name** | 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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