Bifunctional Protein Hlde (hldE) Pseudomonas Putida Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bifunctional protein HldE (hldE), Recombinant Protein
Full Product Name	Recombinant Pseudomonas putida Bifunctional protein HldE (hldE)
Product Gene Name	hldE recombinant protein
Product Synonym Gene Name	hldE
Sequence	MKLSMPRFDQ APVLVVGDVM LDRYWHGGTS RISPEAPVPV VKVDQIEDRP GGAANVALNI AALGAPASLI GVTGQDEAAD SLANSLQAAG VRSVFQRIAH QPTIVKLRVM SRHQQLLRID FEEPFATDPL SLGAEVDSLL EGVKVLVLSD YGKGALKNHQ NLIQAARAKG IPVLADPKGK DFSIYRGASL ITPNLSEFET IVGRCVDEAE LVAKGLQLLQ DLDLGALLVT RGEHGMTLLR VGQPALHLPA RAREVFDVTG AGDTVISTLA AAIAAGEDLP HAVALANLAA GIVVGKLGTA AISAPELRRA IQREEGSERG VLGLEQLLLA IDDARAHNEK IVFTNGCFDI LHAGHVTYLE QARAQGDRLI VAVNDDASVS RLKGPGRPIN SVDRRMAVLA GLGAVDWVIS FPEGTPENLL SQVKPDVLVK GGDYGIDQVV GADIVKGYGG TVKVLGLVEN SSTTAIVEKI RKN
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	49,970 Da
Sequence Positions	1-473, 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 Q88D93
Species	Pseudomonas putida (strain KT2440)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hldE recombinant protein	MBS1406629 is a recombinant protein targeting hldE. Also known as Recombinant Pseudomonas putida Bifunctional protein HldE (hldE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hldE 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 hldE. It may not necessarily be applicable to this product.

NCBI GI #	26991612
NCBI GeneID	1043854
NCBI Accession #	NP_747037.1
UniProt Primary Accession #	Q88D93

UniProt Related Accession #	Q88D93
GenBank Nucleotide #	NC_002947.4
NCBI Official Full Name	bifunctional heptose 7-phosphate kinase/heptose 1-phosphate adenylyltransferase
NCBI Official Symbol	hldE
UniProt Protein Name	Bifunctional protein HldE
UniProt Synonym Protein Names	D-glycero-beta-D-manno-heptose 1-phosphate adenylyltransferase
Protein Family	Bifunctional protein
UniProt Gene Name	hldE
NCBI Protein Information	bifunctional heptose 7-phosphate kinase/heptose 1-phosphate adenylyltransferase
UniProt Comments for hldE	Catalyzes the phosphorylation of D-glycero-D-manno-heptose 7-phosphate at the C-1 position to selectively form D-glycero-beta-D-manno-heptose-1,7-bisphosphate.
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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