



Recombinant Escherichia coli Bifunctional protein HldE (hldE)

Product Code	CSB-EP302846ENV
Relevance	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.
Abbreviation	Recombinant E.coli hldE protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P76658
Alias	Including the following 2 domains: D-beta-D-heptose 7-phosphate kinase (EC:2.7.1.167) Alternative name(s): D-beta-D-heptose 7-phosphotransferase D-glycero-beta-D-manno-heptose-7-phosphate kinase D-beta-D-heptose 1-phosphate adenyltransferase (EC:2.7.7.70) Alternative name(s): D-glycero-beta-D-manno-heptose 1-phosphate adenyltransferase
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MKVTLPEFERAGVMVVGDVMLDRYWYGPTSRSISPEAPVPVVKVNTIEERPGG AANVAMNIASLGANARLVGLTGIDDAARALSKSLADVNVKCDFVSVPTHTPTIK LRVLSRNQQLIRLDFEEGFEGVDPQPLHERINQALSSIGALVLSDYAKGALASV QQMIQLARKAGVPVLIDPKGTDFFERYRGATLLTPNLSEFEAVVGKCKTEEEIVE RGMKLIADYELSALLVTRSEQGMSLLQPGKAPLHMPTQAQEVYDVTGAGDTV GVLAATLAAGNSLEEACFFANAAAGVVVGKLGSTVSPIELENAVRGRADTGF GVMTEEELKLAVAAARKRGEKVVMTNGVFDILHAGHVSYLANARKLGDRLIVA VNSDASTKRLKGDSRPVNPLEQRMIVLGALEAVDWVVSFEEDTPQRLIAGILP DLLVKGGDYKPEEIAGSKEVWANGGEVLVLNFEDGCSTTNIKKIQQDKKG
Research Area	Microbiology
Source	E.coli
Target Names	hldE
Protein Names	Recommended name: Bifunctional protein HldE Including the following 2 domains: D-beta-D-heptose 7-phosphate kinase EC= 2.7.1.- Alternative name(s): D-beta-D-heptose 7-phosphotransferase D-beta-D-heptose 1-phosphate adenosyltrans
Expression Region	1-477aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

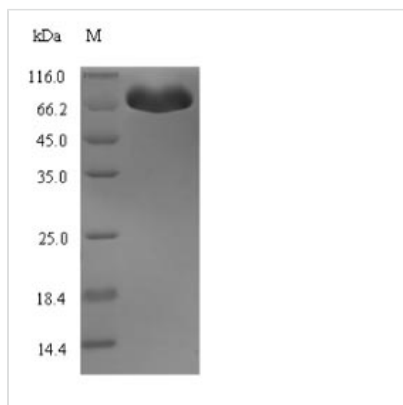


Tag Info N-terminal 6xHis-SUMO-tagged

Mol. Weight 67.1kDa

Protein Length Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.