



Recombinant Bifunctional protein HldE (hldE)

Product Code	CSB-EP717842YAH-B
Abbreviation	hldE
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.	Q665V3
Product Type	Recombinant Protein
Immunogen Species	Yersinia pseudotuberculosis serotype I (strain IP32953)
Purity	≥85% (SDS-PAGE)
Sequence	MKVTLPDFRR AGVLVVGDMV LDREYWGPTS RISPEAPVPV VKVDTIEERP GGAANVAMNI ASLGAVARLV GLTGIDDAAR ALICKLSEVR VRCDFVSVPT HPTITKLRVL SRNQQLRILD FEEGFDGVDV TPIFERIQLA LPQIGALVLS DYAKGALNSV QPMIQLARKA NVPVLIDPKG SDFERYRGAT LLTPNLSEFE AVVGRCKNEE ELVNRGMQLV ADFELSALLV TRSEQGMTLL QLGGKPLHLP TQAKEVFDVT GAGDTVIGVL AAALAAGNSL EESCFLANAA AGVVVGKLG STVSPIELEN AIRGRAETGF GVMDEQQLKI AVAQARQRGE KVVMTNGIFD ILHAGHVSYL ANARKLGDRL IVAVNSDAST KRLKGEKRPV NPLEQRMVVL GALEAVDWVV PFEEDTPQRL IADILPDLLV KGGDYKPHEI AGSEEVWAAG GEVKVLNFDV GVSTTNIQIS IKNGRG
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	1-476
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
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.