



# Recombinant Bifunctional protein HldE (hldE)

<b>Product Code</b>	CSB-MP717842YAH
<b>Abbreviation</b>	hldE
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q665V3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Yersinia pseudotuberculosis serotype I (strain IP32953)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MKVTLPDFRR AGVLVVGDMV LDREYWGPTS RISPEAPVPV VKVDITIEERP 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 GEVKVLNFED GVSTTNIQS IKNGRG
<b>Source</b>	Mammalian cell
<b>Target Names</b>	hldE
<b>Protein Names</b>	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
<b>Expression Region</b>	1-476
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.