



Recombinant Escherichia coli O17:K52:H18 Bifunctional protein HldE (hldE)

Product Code	CSB-EP487981EOG-B
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.	B7ND40
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O17:K52:H18 (strain UMN026 / ExPEC)
Purity	>85% (SDS-PAGE)
Sequence	MKVTLPFER AGVMVVGDM LDRYWYGPTS RISPEAPVPV VKVNTIEERP GGAANVAMNI ASLGANARLV GLTGIDDAAR ALSKSLADVN VKCDFVSVPT HPTITKLRVL SRNQQILRLD FEEGFEGVDP QPLHERINQA LSSIGALVLS DYAKGALASV QQMIQLARKA GVPVLIDPKG TDFERYRGAT LLTPNLSEFE AVVGKCKTEE EIVERGMKLI ADYELSALLV TRSEQGMSLL QPGKTPLHMP TQAQEVYDVT GAGDTVIGVL AATLAAGNSL EEACFFANAA AGVVVGKLG STVSPIELEN AVRGRADTGF GVMTEELKL AVAAARKRGE KVMVTNGVFD ILHAGHVSYL ANARKLGDRL IVAVNSDAST KRLKGDSPV NPLEQRMIVL GALEAVDWV SFEEDTPQRL IAGILPDLLV KGGDYKPEEI AGSKEVWANG GEVLVLFED GCSTTNIKK IQQDKKG
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	1-477
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.



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