



Recombinant Type II secretion system protein E (pulE)

Product Code	CSB-EP321384KBG-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.	P15645
Product Type	Recombinant Protein
Immunogen Species	Klebsiella pneumoniae
Purity	>85% (SDS-PAGE)
Sequence	MTPAAERRPL LPMFYARAHS VMLLSSGESC EVFCLAVTAP QALLEARRVA AMPFRLEERLE EEAFAKLLVL SYQRDSAEAR RMMADIGNEL DLYTLAEELP DTDDLLDSED DAPIIRLINA MLTEAIKEKA SDIHIETYER HLQIRFRVDG VLREILRPQR RLAALLISRI KVMASLDIAE KRIPQDGRMA LRIGGRAVDV RVSTLPSSYG ERVVLRLLDK NSVNLDLLTL GMTPELLRQV DGLIARPHGI VLVTGPTGSG KSTTLYAALS RLDARERNIM TIEDPIEYEL EGIGQTQVNA KVDMTFARGL RAILRQDPDV VLVGEIRDGE TAQIAVQASL TGHLVLSTLH TNSALGAISR LQDMGVEPFL LSTSLAVMS QRLVRRRLCPH CRQQEPANAD TAHQMEIAPG TALWQPRGCA ECGFTGYRGR TGIHELLLVD DRVRMAIHRG ENEVTLIQQL GTDYMTLRRRA GREKALAGIT SWQEVLRVTE QPIAEAC
Source	E.coli
Target Names	pulE
Protein Names	Recommended name: Type II secretion system protein E Short name= T2SS protein E Alternative name(s): General secretion pathway protein E Pullulanase secretion protein PulE Type II traffic warden ATPase
Expression Region	1-497
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



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