



Recombinant ATP-dependent Clp protease ATP-binding subunit ClpX (clpX)

Product Code	CSB-EP734375BUI-B
Abbreviation	clpX
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.	Q660R1
Product Type	Recombinant Protein
Immunogen Species	Borrelia bavariensis (strain ATCC BAA-2496 / DSM 23469 / PBi) (Borrelia bavariensis)
Purity	≥85% (SDS-PAGE)
Sequence	MARLKGQKVK ECSFCGLSVA ELGGNVVISN GVAICPECSK ICHNLFKEKL SNPLDSKSNG LPTPKQLKDH LDMHVVGQED AKKVLSVAVY NHYKRILKNN KYDNGIEIEK SNILLVGPTG SGKTLLAKTL AAEMNVPFAI ADATTLTEAG YVGEDVENIL LKLIHAAHGD VSLAEGGIY IDEIDKIAKK NENVSITRDV SGEGVQQALL KIIEGTIANV PPRGGRKHPY EDTIEINTQN ILFICGGAFV GLENIVKNRI NKSSIGFSAI EKKNIREDTs LKYLEMEDLI KFGLIPEFVG RLPVHSYLEK LNKEDLMRIL VDPQNSIIKQ YYHMFKMDNV ELVFEKDALE SIVDEAILKN TGARGLRSIL EGLLKDVMFE VPSISKTKKV IVTKESVLNT DINPLILVGN AIKKPWAKEL YEINLKYDKK
Source	E.coli
Target Names	clpX
Protein Names	Recommended name: ATP-dependent Clp protease ATP-binding subunit ClpX
Expression Region	1-430
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.