



Recombinant Escherichia coli Serine--tRNA ligase (serS)

Product Code	CSB-EP509947ENU
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.	C4ZQ19
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12 / MC4100 / BW2952)
Purity	>85% (SDS-PAGE)
Sequence	MLDPNLLRNE PDAVAEKLAR RGFKLDVDKL GALEERRKVL QVKTENLQAE RNSRSKSIQ AKARGEDIEP LRLEVNKLGE ELDAAKAELD ALQAEIRDIA LTIPNLPAD E VPGKDENDN VEVSRWGTPR EFD FEVRDHV TLGEMHSGLD FAAAVKLTGS RFVVMKGQIA RMHRALSQFM LDLHTEQHG Y SENYVPYLVN QDTLYGTGQL PKFAGDLFHT RPLEEEADTS NYALIPTAEV PLTNLVRGEI IDEDDLPIKM TAHTPCFRSE AGSYGRDTRG LIRMHQFDKV EMVQIVRPED SMAALEEMTG HAEKVLQLLG LPYRKIILCT GDMGFGACKT YDLEWVIPAQ NTYREISSCS NVWDFQARRM QARCRSKSDK KTRLVHTLNG SGLAVGRTL V AVMENYQQAD GRIEVPEVLR PYMNGLEYIG
Source	E.coli
Target Names	serS
Protein Names	Recommended name: Serine--tRNA ligase EC= 6.1.1.11 Alternative name(s): Seryl-tRNA synthetase Short name= SerRS Seryl-tRNA(Ser/Sec) synthetase
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.