



Recombinant Escherichia coli Lysine--tRNA ligase, heat inducible (lysU)

Product Code	CSB-EP364195ENV
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.	P0A8N5
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	≥85% (SDS-PAGE)
Sequence	SEQETRGAN E AIDFNDEL R NRREKLAALR QQGVAFPNDF RRDHTSDQLH EEFDAKDNQE LESLNIEVSV AGRMMTRRIM GKASFVTLQD VGGRIQLYVA RDSLPEGVYN DQFKKWDLGD IIGARGTLFK TQTGELSIHC TELRLTKAL RPLPDKFHGL QDQEVRYRQR YLDLIANDKS RQTFVVRSKI LAAIRQFMVA RGFMEVETPM MQVIPGGASA RPFITHHNAL DLDMYLRIAP ELYLKRLVVG GFERVFEINR NFRNEGISVR HNPEFTMMEL YMAYADYHDL IELTESLFRT LAQEVLGTTK VTYGEHVDFD GKPFEKLTMR EAIKKYRPET DMADLDNFDA AKALAESIGI TVEKSWGLGR IVTEIFDEVA EAHLIQPTFI TEYPAEVSPL ARRNDVNPEI TDRFEFFIGG REIGNGFSEL NDAEDQAERF QEQVNAKAAG DDEAMFYDED YVTALEYGLP PTAGLGIGID RMIMLFTNSH TIRDVILFPA MRPQK
Source	E.coli
Target Names	lysU
Protein Names	Recommended name: Lysine--tRNA ligase, heat inducible EC= 6.1.1.6 Alternative name(s): Lysyl-tRNA synthetase Short name= LysRS
Expression Region	2-505
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 of Mature 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.