



# Recombinant Escherichia coli O157:H7 Lysine--tRNA ligase, heat inducible (lysU)

<b>Product Code</b>	CSB-YP359165EOD
<b>Storage</b>	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.
<b>Uniprot No.</b>	P0A8N6
<b>Storage Buffer</b>	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Escherichia coli O157:H7
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	SEQETRGAN EAIDFNDELNRREKLAALR QQGVAFPNDF RRDHTSDQLH EEFDAKDNQE LESLNIEVSV AGRMMTRRIM GKASFVTLQD VGGRIQLYVA RDSLPEGVYN DQFKKWDLGD IIGARGTLFK TQTGELSIHC TELRLLTKAL RPLPDKFHGL QDQEVRYRQR YLDLIANDKS RQTFVVRSKI LAAIRQFMVA RGFMEVETPM MQVIPGGASA RPFITHNAL DLDMYLRIAP ELYLKRLVVG GFERVFEINR NFRNEGISVR HNPEFTMMEL YMAYADYHDL IELTESLFRT LAQEVLGTTK VTYGEHVDFD GKPFELTMR EAIKKYRPET DMADLDNFDA AKALAESIGI TVEKSWGLGR IVTEIFDEVA EAHLIQPTFI TEYPAEV SPL ARRNDVNPEI TDRFEFFIGG REINGNFSEL NDAEDQAERF QEQVNAKAAG DDEAMFYDED YVTALEYGLP PTAGLGIGID RMIMLFTNSH TIRDVILFPA MRPQK
<b>Source</b>	Yeast
<b>Target Names</b>	lysU
<b>Protein Names</b>	Recommended name: Lysine--tRNA ligase, heat inducible EC=6.1.1.6 Alternative name(s): Lysyl-tRNA synthetase Short name= LysRS
<b>Expression Region</b>	2-505
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.