



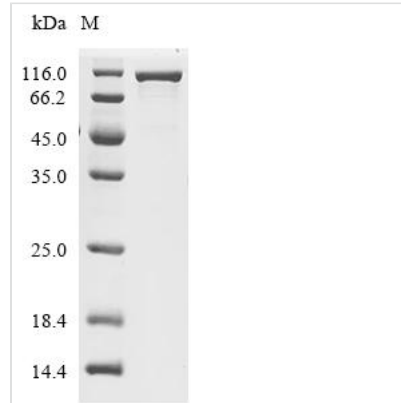
Recombinant Escherichia coli Leucine--tRNA ligase (leuS)

Product Code	CSB-EP357219ENV(A4)
Abbreviation	Recombinant E.coli leuS protein
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.	P07813
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Sensitivity	Not Test
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	<p>MQEQYRPEEIESKVQLHWDEKRTFEVTEDESKEKYYCLSM LPYP SGR LHMGH VRNYTIGDVIARYQRMLGKNVLQPIGWDAFGLPAEGAAVKNN TAPAPW TYDNI AYMKNQLKMLGFGYDWSRELATCTPEYYRWEQKFFTELYKKGLVYK KTS AVN WCPNDQTVLANEQVIDGCCWRC DTKVERKEIPQWFIKITAYADELLNDL DKLD HWPDTVKTMQRNWIGRSEGVEITFNVNDYDNTLTVYTTRPDTFMGCTYLAVA AGHPLAQKAAENNP ELAAFIDE CRNTKVAEAEMATMEKKGVD TGFKAVHPLT GEEIPVWAANFVLM EYGTGAVMAVPGHDQRDYEFASKYGLNIKPVILAADGSE PDL SQQALTEKG VLFNSGEFNGLDHEAAFNAIADKLTAMGVGERKVN YRLRD WGVSRQRYWGAPIPMVTLEDGTVMPTPDDQLPVILPEDVVM DGITSPIKADPE WAKTTVNGMPALRETDTFDTFMESSWYYARYTCPQYKEGMLDSE ANYWLP VDIYIGGIEHAIMHLLYFRFFHKL MRDAGMVNSDEPAKQLLCQGMVLADAFYYV GENGERNWVSPVDAIVERDEKGRIVKAKDAAGHEL VYTGMSKMSKSKNN GID PQVMVERYGADTVRLFMMFASPADMTLEWQESGVEGANRFLKR VVKLVYEH TAKGDVAALNVDALTENQKALRRDVHKTIAKVTD DIGRRQTFNTAIAAIMELMN KLAKAPTDGEQDRALMQEALLAVVRMLNPFTPHICFTLWQELKGE GDIDNAP WPVADEKAMVEDSTLVVVQVNGKVR AKITVPVDATEEQVRERAGQEHLVAKY LDGVTVRKVIYVPGKLLNLVVG</p>
Research Area	Others
Source	E.coli
Target Names	leuS
Expression Region	1-860aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

Tag Info	C-terminal 6xHis-tagged
Mol. Weight	104.1 kDa
Protein Length	Full Length

Image

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.