



# Recombinant Escherichia coli Threonine--tRNA ligase (thrS)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-YP451988ENT   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | B1XGI1  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Escherichia coli (strain K12 / DH10B)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MPVITLPDGS QRHYDHAVSP MDVALDIGPG LAKACIAGRV NGELVDACDL<br>IENDAQLSII TAKDEEGLEI IRHSCAHLG HAIKQLWPHT KMAIGPVIDN<br>GFYYDVDLDR TLTQEDVEAL EKRMHELAEK NYDVIKKKVS WHEARETFAN<br>RGESYKVSIL DENIAHDDKP GLYFHEEYVD MCRGPHVPMN RFCHHFKLMK<br>TAGAYWRGDS NNKMLQRIYG TAWADKKALN AYLQRLEEA KRDHRKIGKQ<br>LDLYHMQEEA PGMVFWHNDG WTIFRELEV VRSKLKEYQY<br>QEVKGPFMMD RVLWEKTGHW DNYKDAMFTT SSENREYCIK<br>PMNCPGHVQI FNQGLKSYRD LPLRMAEFGS CHRNEPSGSL HGLMRVRGFT<br>QDDAHIFCTE EQIRDEVNGC IRLVYDMYST FGFEKIVVKL STRPEKRIGS<br>DEMWDRAEAD LAVALEENNI PFEYQLGEGA FYGPKIEFTL YDCLDRAWQC<br>GTVQLDFSLP SRLSASYVGE DNERKVPVMI HRAILGSMER FIGILTEEFA<br>GFFPTWLAPV QVIMNITDS QSEYVNETQ KLSNAGIRVK ADLRNEKIGF<br>KIREHTLRRV PYMLVCGDKE VESGKVAVRT RRGKDLGSM D VNEVIEKLQQ<br>EIRSRSLKQL EE |
| <b>Source</b>            | Yeast   |
| <b>Target Names</b>      | thrS  |
| <b>Protein Names</b>     | Recommended name: Threonine--tRNA ligase EC= 6.1.1.3 Alternative name(s):<br>Threonyl-tRNA synthetase Short name= ThrRS   |
| <b>Expression Region</b> | 1-642   |
| <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 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.   |



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