



# Recombinant Escherichia coli O139:H28 Proline--tRNA ligase (proS)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-BP421918EJD   |
| <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>       | A7ZHT6  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Escherichia coli O139:H28 (strain E24377A / ETEC)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MRTSQYLLST LKETPADAIEV ISHQLMLRAG MIRKLASGLY TWLPTGVRVL<br>KKVENIVREE MNNAGAIEVS MPVVQPADLW QESGRWEQYG PELLRFVDRG<br>ERPFVLGPTH EEVITDLIRN ELSSYKQLPL NFYQIQTKFR DEVRPRFGVM<br>RSREFLMKDA YSFHTSQESL QETYDAMYAA YSKIFSRIGL DFRAVQADTG<br>SIGGSASHEF QVLAQSGEDD VVFSDTSDYA ANIELAEIA PKEPRAAATQ<br>EMTLVDTPNA KTIAELVEQF NLPIEKT VKT LLVKA VEGSS FPLVALLVRG<br>DHELNEVKAE KLPQVASPLT FATEEEIRAV VKAGPGSLGP VNMPIPVVID<br>RTVAAMSDFA AGANIDGKHY FGINWDRDVA TPEVADIRNV VAGDPSPDGQ<br>GTLIKRGIE VGHIFQLGTK YSEALKASVQ GEDGRNQILT MGCYGIGVTR<br>VVAAAIEQNY DERGIVWPDA IAPFQVAILP MNMHKSFRVQ ELAEKLYSEL<br>RAQGIEVLLD DRKERPGVMF ADMELIGIPH TIVLGDRNLD NDDIEYKYRR<br>NGEKQLIKTG DIVEYLVKQI KG |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | proS  |
| <b>Protein Names</b>     | Recommended name: Proline--tRNA ligase EC= 6.1.1.15 Alternative name(s):<br>Prolyl-tRNA synthetase Short name= ProRS  |
| <b>Expression Region</b> | 1-572   |
| <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.   |
| <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.  |



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