



# Recombinant Escherichia coli O81 Proline--tRNA ligase (proS)

<b>Product Code</b>	CSB-EP482705EOP
<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>	B7MP55
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli O81 (strain ED1a)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MRTSQYLLST LKETPADAEV ISHQLMLRAG MIRKLASGLY TWLPTGVRVL KKVENIVREE MNNAGAIEVL MPVVQPSELW QESGRWEQYG PELLRIADRG DRPFVLGPTH EEVITDLIRN ELSSYKQLPL NFYQIQTKFR DEVRPRFGVM RSREFLMKDA YSFHTSQESL QETYDAMYAA YSKIFSRMGL DFRAVQADTG SIGGSASHEF QVLAQSGEDD VVFSDTSDYA ANIELAEIA PKEPRAAATQ EMTLVDTPNA KTIAELVEQF NLPIEKT VKT LLVKA VEGSS FPLVALLVRG DHELNEVKAE KLPQVASPLT FATEEEIRAV VKAGPGSLGP VNMPIPVVID RTVAAMSDFA AGANIDGKHY FGINWDRDVA TPEIADIRNV VAGDPSPDGQ GTLIKRGIE VGHIFQLGTK YSEALKASVQ GEDGRNQILT MGCYGIGVTR VVAAAIEQNY DERGIVWPDA IAPFQVAILP MNMHKSFRVQ ELAEKLYSEL RAQGIEVLLD DRKERPGVMF ADMELIGIPH TIVLGDRNLD NDDIEYKYRR NGEKQLIKTG DIVDYLKQI KG
<b>Source</b>	E.coli
<b>Target Names</b>	proS
<b>Protein Names</b>	Recommended name: Proline--tRNA ligase EC= 6.1.1.15 Alternative name(s): 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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