



Recombinant Escherichia coli O7:K1 Proline--tRNA ligase (proS)

Product Code	CSB-EP482912EON
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.	B7NKX8
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O7:K1 (strain IAI39 / ExPEC)
Purity	>85% (SDS-PAGE)
Sequence	MRTSQYLLST LKETPADAEV ISHQLMLRAG MIRKLASGLY TWLPTGVRVL KKVENIVREE MNNAGAIEVL MPVVQPADLW QESGRWEQYG PELLRFVDRG ERPFVLGPTH EEVITDLIRN ELSSYKQLPL NFYQIQTKFR DEVRPRFGVM RSREFLMKDA YSFHTSQESL QETYDAMYAA YSKIFSRMGL DFRAVQADTG SIGGSASHEF QVLAQSGEDD VVFSDTSDYA ANIELAEAIA PKEPRAAATQ EMTLVDTPNA KTIAELVEQF NLPIEKT VKT LLVKA VEGSS FPLVALLVRG DHELNEVKAE KLPQVASPLT FATEEEIRAV VKAGPGSLGP VNMPIPVVID RTVAAMSDFA AGANIDGKHY FGINWDRDVA TPEIADIRNV VAGDPSPDGQ GTLQIKRGIE VGHIFQLGTK YSEALKASVQ GEDGRNQILT MGCYGIGVTR VVAAAIEQNY DERGIVWPDA IAPFQVAILP MNMHKSFRVQ ELAEKLYSEL RAQGIEVLLD DRKERPGVMF ADMELIGIPH TIVLGDRNLD NDDIEYKYRR NGEKQLIKTG DIVDYLKQI KG
Source	E.coli
Target Names	proS
Protein Names	Recommended name: Proline--tRNA ligase EC= 6.1.1.15 Alternative name(s): Prolyl-tRNA synthetase Short name= ProRS
Expression Region	1-572
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
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.



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