



Recombinant Escherichia coli O45:K1 Proline--tRNA ligase (proS)

Product Code	CSB-EP485212EOK-B
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.	B7MBH6
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O45:K1 (strain S88 / ExPEC)
Purity	≥85% (SDS-PAGE)
Sequence	MRTSQYLLST LKETPADAEV ISHQLMLRAG MIRKLASGLY TWLPTGVRVL KKVENIVREE MNNAGAIEVL MPVVQPSELW QESGRWEQYG PELLRIADRG DRPFVLGPTH 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 GTLIKRGIE VGHIFQLGTK YSEALKASVQ GEDGRNQILT MGCYGIGVTR VVA AAIEQNY DERGIVWPDA IAPFQVAILP MNMHKSFRVQ ELAEKLYSEL RAQGIEVLLD DRKERPGVMF ADMELIGIPH TIVLGDRNLD NDDIEYKYRR NGEKQLIKTG DIVDYL VKQI 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.



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.