



Recombinant *Synechococcus elongatus* Tyrosine--tRNA ligase (tyrS)

Product Code	CSB-EP653914FPY-B
Abbreviation	tyrS
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.	Q31K19
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	≥85% (SDS-PAGE)
Sequence	MTDSWTWLQR GTHEIFPDQP ESADPDVSL L ARLQQGDRPL RIKLGIDPTG SDIHLGHSII FRKLRQFQDA GHTAVLIIGD FTARIGDPTG KSEVRRQLTA EDVQRNAETY LDQLRPILDF ETPGRLEIRY NSEWLAGLDL AKILELLGTM TVGQMLAKEG FSERYDKGTP VYLHEFLYPL MQGYDSVAVQ SDVELGGTDQ KFNIAVGRDL QRHFG LQPQF GLLLPI LIGL DGSQKMSKSL GNYVGLNEDA LSMYSKLEKV PDALVADYFE LLTSQDLAAL PENPRDRQKL LALDVVSQYH GA EAAAAAQK AAQELVQGS A VQAEAVPEFP LSQVNFPAKA FYLVSAVGLG LTSSEARRQI QGGAVRLDGQ KLDDPNHIFE APTALKGRVI QVGKKKFVRL VL
Source	E.coli
Target Names	tyrS
Protein Names	Recommended name: Tyrosine--tRNA ligase EC= 6.1.1.1 Alternative name(s): Tyrosyl-tRNA synthetase Short name= TyrRS
Expression Region	1-402
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.