



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

<b>Product Code</b>	CSB-MP653914FPY
<b>Abbreviation</b>	tyrS
<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>	Q31K19
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Synechococcus elongatus</i> (strain PCC 7942) ( <i>Anacystis nidulans</i> R2)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MTDSWTWLQR GTHEIFPDQP ESADPDVSL LARLQQGDRPL 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
<b>Source</b>	Mammalian cell
<b>Target Names</b>	tyrS
<b>Protein Names</b>	Recommended name: Tyrosine--tRNA ligase EC= 6.1.1.1 Alternative name(s): Tyrosyl-tRNA synthetase Short name= TyrRS
<b>Expression Region</b>	1-402
<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. 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.