



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

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|--------------------------|---|
| Product Code | CSB-EP653914FPY |
| 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 QRHFGLQPQF GLLLPIILIGL DGSQKMSKSL GNYVGLNEDA LSMYSKLEKV PDALVADYFE LLTSQDLAAL PENPRDRQKL LALDVVSQYH GAIAAAAAQK 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. |