



# Recombinant Escherichia coli O45:K1 Tyrosine--tRNA ligase (tyrS)

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|--------------------------|--|
| <b>Product Code</b>      | CSB-EP483449EOK-B  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | B7M9Z1   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli O45:K1 (strain S88 / ExPEC)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | <p>           MASSNLIKQL QERGLVAQVT DEEALAERLA QGPALYCGF DPTADSLHLG<br/>           HLVPLLCLKR FQQAGHKPVA LVGGATGLIG DPSFKAAERK LNTEETVQEW<br/>           VDKIRKQVAP FLDFDCGENS AIAANNYDWF GNMNVLTFLR DIGKHFSVNQ<br/>           MINKEAVKQR LNREDQGISF TEFSYNLLQG YDFACLNKQY GVLQIGGSD<br/>           QWGNITSGID LTRRLHQNV FGLTVPLITK ADGTKFGKTE GGAVWLDPKK<br/>           TSPYKFYQFW INTADADVYR FLKFFTFMSI EEINALEEED KNSGKAPRAQ<br/>           YVLAEQVTRL VHGEDGLQAA KRITECLFSG SLSALSEADF EQLAQDGVPM<br/>           VEMEKGADLM QALVDSELQP SRGQARKTIA SNAITINGEK QSDPEYFFKE<br/>           EDRLFGRFTL LRRGKKNYCL ICWK         </p> |
| <b>Source</b>            | E.coli   |
| <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> | 1-424  |
| <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.<br>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.   |