



# Recombinant Legionella pneumophila subsp. pneumophila Tyrosine--tRNA ligase (tyrS)

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| <b>Product Code</b>      | CSB-YP720079LDL                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <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.<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>       | Q5ZY07                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Immunogen Species</b> | Legionella pneumophila subsp. pneumophila (strain Philadelphia 1 / ATCC 33152 / DSM 7513)                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Sequence</b>          | MIVQDSVCSE LMRGCEEILP VPELEKKLQK GIPLKIKAGF DPTAPDLHLG HTVLLNKLRLQ FQQFGHEVIF LIGDFTAMIG DPTGKNVTRM PLSQETVLEN AKTYQHQQVFK ILDPDKTTVA FNSQWLNKFN AVDLIRLAAT HTVARMRLERD DFNKRYTTGQ PIAIHEFLYP LLQGYDSVAL KADVELGGTD QKFNLLMGRE LQKHYGFEPPQ VMMMTPLIEG LDGVKKMSKS LDNYIGINET PEQMFGKIMS VSDELMWRYI DLLSFKTGKE IQQLKQSVLE GKNPRDVKID FAKEIVARFH DQTQAEFAHN KFIERFQKGN IPEDLEELSL VIAEPIALAQ LLKQIDLTAS TSESIRMVKQ GAVKVDGDKI SDPSLKLPIG KSYIIQVGKR RIAKLSIQQA D |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <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> | 1-401                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <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.