



# Recombinant Schizosaccharomyces pombe Glutamate--tRNA ligase, mitochondrial (mse1)

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| <b>Product Code</b>      | CSB-MP864044SXV   |
| <b>Abbreviation</b>      | mse1  |
| <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>       | Q9HDX9  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Schizosaccharomyces pombe (strain 972 / ATCC 24843) (Fission yeast)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | AP SPTGFLHLGS LRTALFNYLW AKKSNGKFIL RLEDTDQKRK VTGSDLEIYK<br>VLKQFNLQWD EGPIVGGPYG PYEQSSRLQI YQKYAQHLIE TGRAYVSYSV<br>PIATTKIDSS TKYHEISIDD LTDAQRKLYK SKKFPYVVRF RMKEPSPFTD<br>LVYGKIAIKS DSREIEESNN FVILKSDGFP TYHFANVVDD HLMHITHVIR<br>GEEWVPSTIK HIQLYEAFGW KPPKFAHLPL LVNPDGSKLS KRQNDAHVSS<br>LLQEGFLPEA ILNFIALMGW SSRQKSDFLP MKELIDLFSI DKLTKSSSIV<br>AFEKLYFLNK NYLRRRAISDV NRLDELIELV QPRLIQKFSH SSRSHDKSYT<br>KKLLLLLKNK VHTIKEFEKI VFYFYEASDL QQIRSLVSSL ITVEELPKIL<br>TTILNKFETI EWNTHEIQIS LKEIAMEHQM PLKKIQSLLR YGLCGNLPGG<br>GISDTISLLG KETVKSRLER LLLSLKHELP KRSCIV |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | mse1  |
| <b>Protein Names</b>     | Recommended name: Glutamate--tRNA ligase, mitochondrial EC= 6.1.1.17<br>Alternative name(s): Glutamyl-tRNA synthetase Short name= GluRS   |
| <b>Expression Region</b> | 39-526  |
| <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 of Mature 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   |



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