



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

Product Code	CSB-YP864044SXV
Abbreviation	mse1
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.	Q9HDX9
Product Type	Recombinant Protein
Immunogen Species	Schizosaccharomyces pombe (strain 972 / ATCC 24843) (Fission yeast)
Purity	>85% (SDS-PAGE)
Sequence	AP SPTGFLHLGS LRTALFNYLW AKKSNGKFIL RLEDTDQKRK VTGSDLEIYK VLKQFNLQWD EGPIVGGPYG PYEQSSRLQI YQKYAQHLIE TGRAYVSYSV PIATTKIDSS TKYHEISIDD LTDAQRKLYK SKKFPYVVRF RMKEPSPFTD LVYGKIAIKS DSREIEESNN FVILKSDGFP TYHFANVVDD HLMHITHVIR GEEWVPSTIK HIQLYEAFGW KPPKFAHLPL LVNPDGSKLS KRQNDAHVSS LLQEGFLPEA ILNFIALMGW SSRQKSDFLP MKELIDLFSI DKLTKSSSIV AFEKLYFLNK NYLRRRAISDV NRLDELIELV QPRLIQKFSH SSRSHDKSYT KKLLLLLKNK VHTIKEFEKI VFYFYEASDL QQIRSLVSSL ITVEELPKIL TTILNKFETI EWNTHEIQIS LKEIAMEHQM PLKKIQSLLR YGLCGNLPGG GISDTISLLG KETVKSRLER LLLSLKHELP KRSCIV
Source	Yeast
Target Names	mse1
Protein Names	Recommended name: Glutamate--tRNA ligase, mitochondrial EC= 6.1.1.17 Alternative name(s): Glutamyl-tRNA synthetase Short name= GluRS
Expression Region	39-526
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 of Mature 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.