



# Recombinant tRNA (Ile)-lysidine synthase (tilS)

<b>Product Code</b>	CSB-EP723022SMZ
<b>Abbreviation</b>	tilS
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q5XEL7
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Streptococcus pyogenes serotype M6 (strain ATCC BAA-946 / MGAS10394)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MMTYQEIFNE IKNKAYFKNH RHVLIIVSGG VDSMNULLHFL YLFQDKLKIR IGIAHVNHKQ RSESDSEEAY LKCWAKKHDI PIYVSNFEGI FSEKAARDWR YAFFKSIMLK NNYSALVTAH HSDDQAETIL MRLIRGSRRLR HLSGIKSVQP FANGQLIRPF LTFSKKDLPE IFHFEDSSNR ELSFLRNRVR NNYLPLLKQE NPRFIQGLNQ LALENSLLFQ AFKELTNHIT TDLTEFNEQ SKSIQYFLLQ DYLEGFPDL LKKSQFTQLL QIIQIAKQGY YYLKKDYYIF IDKFSFKITK IVPKTELVKE EKMLEYDSNL CYRDYYFSFM PKSNEQQGQV NIPLFSLSSI KLRSRQSGDY ISFGHFSSKI RRLFIDEKFT IAERQNAIVG EQDGEIIFVL VGDKTYLRKA CKHDI MLAKL YIDKLEKG
<b>Source</b>	E.coli
<b>Target Names</b>	tilS
<b>Protein Names</b>	Recommended name: tRNA(Ile)-lysidine synthase EC= 6.3.4.19 Alternative name(s): tRNA(Ile)-2-lysyl-cytidine synthase tRNA(Ile)-lysidine synthetase
<b>Expression Region</b>	1-428
<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. 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.