



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

<b>Product Code</b>	CSB-EP718011SRW-B
<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>	Q67JG9
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Symbiobacterium thermophilum (strain T / IAM 14863)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MPLLDREVREY VVRHGMLEPG DRVIVAVSSG PDSLALTHVL YRLAPAWRLS LHLFHLDHGL RGEASRADA A FVADLARELS LPLTTVTLRP GELEAMRGS EDNARRRRYA EMARLAAAIG AQRATGHNR NDQAETVLMR LLRGSSTGL AGIPVRRREG GLTIIRPLL ASRQEILAYC RAHGLTPRMD ATNLQGDFE NRIRLEILPA LTERFGDAVV DNLAQTADLL REEDRLLAEL TREACARCGW RETGEATGEP VVELDGTLLV QEPLALARRI VRMAVQRVSG SAYGPGLSAV TRALELAGRT EGSHWLDLPQ GVRLSVAYGR CRFARSHPL GPGAEALEQV WPVAVPGETA IPALGVTVA ELVPPSAMP RLPDDEMWD RDRLPGPLAV RTRRPGDRLW PAGMQGSKKL QDILVDAKVP RDQRDGLPLL VAGDTVVVWP GVIRDRRFRP DAGTRSAVRV TVRRRPEGSG GD
<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>	1-482
<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.