



Recombinant Thiobacillus ferrooxidans Tyrosine--tRNA ligase (tyrS)

Product Code	CSB-EP334826TOA
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.	P41256
Product Type	Recombinant Protein
Immunogen Species	Acidithiobacillus ferrooxidans (Thiobacillus ferrooxidans)
Purity	>85% (SDS-PAGE)
Sequence	MTMKHQDAFE QIAFGTVDML PEGEMLARLA AAQRDNRPLR IKLGMDPTAP DLHLGAYVLL HKARQFQDLG HRLLFVIGDF TAMIGDPTGK SVTRKALSRE EVVANAATYR PQVFKILDPE RTEVMFNSEW LGALRPEELI QIAACYTVAR MLERDDFNKR YSANQPIAH EFLYPLLQGY DSVAIKADVE LGGTDQRFNL LVGRELQREY GQKPQLVLTM PILEGLDGVQ KMSKSLGNFI AVEDPPAEMF GKIMSISDFL MWRYYALLSR VPAVEQTRLQ KEAASGARNP RDIKLDLAGE LVRRFHGTAA AQEAHIAFLA RFQRHETPED LPLQAIKLSE APRLSQLLVQ VHLAASTSEA MRKMKEGAVR VDWRRVVDPA TILALDAVYL LQFGKRHFAR VALQKGE
Source	E.coli
Target Names	tyrS
Protein Names	Recommended name: Tyrosine--tRNA ligase EC= 6.1.1.1 Alternative name(s): TyrRZ Tyrosyl-tRNA synthetase Short name= TyrRS
Expression Region	1-407
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 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.