



Recombinant *Synechococcus elongatus* Queuine tRNA-ribosyltransferase (tgt)

Product Code	CSB-EP816723FPY-B
Abbreviation	tgt
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.	Q8GAA6
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MDRQCAVASL TAFQFQIDRQ CSQTRGRACS FHTPHGIVET PRFMPVGTLA TVKTVTPAQL RDTGAQMVLN NTYHLHLQPG EEIVAKAGGL HRFMNWSGPM LTDSSGGFQVF SLSELRKIEE RGVTFRSPRD GAVIEFTPER SIRIQNALGA DVIMAFDECP PYPAERKDVE AAVARTYRWL ERCINAHERP QDQALFGIVQ GGVYLDLRQQ AARDLVQLDL PGYAIGGVS SV GEPSEEIHRI VEATAPLLPA HKPRYLMGVG TYREMVQAIA AGIDLFDCVI PTRLARHGAA LVKGDRWNLK NAQFREDFQP LDEDCNCYCC QNFSRAYLNH LIRSREILGY TLLSIHNITE LVRFTTIRE AILSDRFVVE FGHWLQPSAV PVSP
Source	E.coli
Target Names	tgt
Protein Names	Recommended name: Queuine tRNA-ribosyltransferase EC= 2.4.2.29 Alternative name(s): Guanine insertion enzyme tRNA-guanine transglycosylase
Expression Region	1-384
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.