



Recombinant *Synechococcus elongatus* Serine--tRNA ligase (serS)

Product Code	CSB-MP816735FPY
Abbreviation	serS
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.	Q8GMR7
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MLDLRLLREN PEATQARLDR RHSSYDIQPL LSLDQQVRQW EQERTQLQAR SNEIGRSVGQ KMREGADPQS EEIAALREEG NQLKQQIADL EQQERQVRSE LDTYLLTLPN LPDETVPLGS SEDENREIHR WGDDRIREG FAPHWEIGER LGLDFFERST RIAQSRFVTL LGAGAALERA LIAFMLDRQT AAGYTEVAPP YLINSASLTA SGQLPKFSEE SFRCDRDDLW LTPTAEVPLT SLYRDEILSA DQLPLRYCAY TPCFRREAGS YGRDTRGLIR LHQFNKVELY QFVHPDHSEA AHQQLLANAE AILQALELPY RTIELCTGDL GFSAQKTYDI EVWLPSAGRY REISSCSNCG DFQARRANIR FKEAGQKGTR FVHTLNGSGL AVGRTMAAVL ENYQQPDGSV RVPEALQPYL RQTVIGQP
Source	Mammalian cell
Target Names	serS
Protein Names	Recommended name: Serine--tRNA ligase EC= 6.1.1.11 Alternative name(s): Seryl-tRNA synthetase Short name= SerRS Seryl-tRNA(Ser/Sec) synthetase
Expression Region	1-428
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.