



# Recombinant *Synechococcus elongatus* Cysteine synthase, plasmid (srpG)

<b>Product Code</b>	CSB-YP688420FPY
<b>Abbreviation</b>	srpG
<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>	Q59966
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Synechococcus elongatus</i> (strain PCC 7942) ( <i>Anacystis nidulans</i> R2)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSTSGTFFAD NSQTIGKTPL VRLNRIVKGA PATVLAKIEG RNPAYSVKCR IGAAMIWDAE QRGLLGPGKE LIEPTSGNTG IALAFVAAAR GIPLTLTMPE TMSLERRKLL AAYGAKLVLT EGVKGMTGAV RRAEDIAASD PDRYVLLQQF RNPANPAIHE QTTGPEIWED TGGIDILVS GVGTTGGTITG VSRYIKQTQG KPILSVAVEP EASPVISQQR SGLPLKPGPH KIQGIGAGFI PENLDLSLVD QVERVSNEEA IAYARRLAQE EGLISGISCG AAVAAVRLA QQSEHAGKTI VVVLPDSGER YLSTALFDGI FNEQGLAVV
<b>Source</b>	Yeast
<b>Target Names</b>	srpG
<b>Protein Names</b>	Recommended name: Cysteine synthase, plasmid Short name= CSase EC= 2.5.1.47 Alternative name(s): O-acetylserine (thiol)-lyase Short name= OAS-TL O-acetylserine sulfhydrylase
<b>Expression Region</b>	1-329
<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.