



Recombinant *Synechococcus elongatus* Serine hydroxymethyltransferase (glyA)

Product Code	CSB-YP655350FPY
Abbreviation	glyA
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.	Q31RK5
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	≥85% (SDS-PAGE)
Sequence	MTETNFDFLA QGDPAIAAII GRELQRQQEH LELIASENFA SPAVMAAQGS VLTNKYAEGL PSKRYYGCE FVDQAEELAI ERAKELFGAA HANVQPHSGA QANFAVFLTL LQPGDTFLGM DLSHGGLHLS GSPVNVSGKW FNAGHYGVNR ETERLDYDAI RELALQHRPK LIICGYSAYP RTIDFAKFRE IADEVGAYLL ADMAHIAGLV AAGLHPSPIP HCDVVTTH KTLRGPRGGL ILTRDAELGK KLDKSVFPGT QGGPLEHVIA AKAVAFGEAL RPEFKTYSQA VIANAQALAR QLQARGLKIV SDGTDNHLHL VDLRSIGMTG KVADLLVSDV NITANKNTVP FDPESPFVTS GIRLGTAAMT TRGFKEAEFA IVADIADRL LNPEDSSMED SCRRRVLELC QRFLYPHLS PATPVAV
Source	Yeast
Target Names	glyA
Protein Names	Recommended name: Serine hydroxymethyltransferase Short name= SHMT Short name= Serine methylase EC= 2.1.2.1
Expression Region	1-427
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.