



Recombinant *Synechococcus elongatus*

Phosphoglucosamine mutase (glmM)

Product Code	CSB-YP655326FPY
Abbreviation	glmM
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.	Q31LA7
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	≥85% (SDS-PAGE)
Sequence	MVSATRWETA IEVTPWIAAI AEQVPLFGTD GIRGRVGEHL TAPLAQQVGF WTGQVLRQAG GDRGPVVVGQ DSRNSSNMLA MALSSGLAAA GVEVLHLGLC PTPGVAYLTH HSEAIGGVM I SASHNPPGDN GIKVFGADGS KLDRQLQAAI EAGLRGQQT S LPATTWGQHY YQPQLADHYQ AAIAQSLGQR ANLQGLKIVL DLAWGAAALL APRLFRELGA EVIALHDLPD GNQINVNCGS THLARLQAAV LEQGADMGFA FDGDADRVLA VDGRGRSVDG DHILFLWGRE LEQQQQLPGQ AIVTTVMANL GFERAWQAVG GEFVRTAVGD QYVQAEMQAR GAMLGGEQSG HILCRHYALT GDGTLTAAHV AALVQASGVS LADLVDQSFR PYPQLLRNVR VEDRDRRCNW QNCAALTQAI AAAETDMGDR GRVLVRASGT EPLLIMVEA EEAQQVEHWT THLVQVAESH LL
Source	Yeast
Target Names	glmM
Protein Names	Recommended name: Phosphoglucosamine mutase EC= 5.4.2.10
Expression Region	1-472
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.