



Recombinant *Synechococcus elongatus* Glutamate 5-kinase (proB)

Product Code	CSB-EP656722FPY
Abbreviation	proB
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.	Q31L42
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MSETLVVKIG TSSLTNPHP GLALSTIAGL VEVICQLRRQ GYNVVLVSSG AVGVGCTRLG LRDRPSRIAQ RQAIAAVGQG RLMRTYDDL F TTLGQPAAQV LLTRGDLAQR QRYINAYQTF QELFELGVVP IVNENDTVAV EELKFGDNDT LSALVASLVE AQWLFLLTDV DRLYTADPRQ DPNAKPITIV HDLSELESIQ AGGQGSRWGT GGMATKLTA A KIATQASVRT VITQGRSPEN LLKILAGEAI GTWFEPQPET VNARKRWIAH GLVPTGKLLL DAGAVQAIQA GSKSLAAGI QAIEGDFEAQ DAVQLCDLNG TEIARGLVNY DSHELQQIRG CQSDQIVQIL GYEGAETIVH RDNLVLS
Source	E.coli
Target Names	proB
Protein Names	Recommended name: Glutamate 5-kinase EC= 2.7.2.11 Alternative name(s): Gamma-glutamyl kinase Short name= GK
Expression Region	1-367
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.