



Recombinant *Synechococcus elongatus* Glutathione synthetase (gshB)

Product Code	CSB-EP009969FPY
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O32463
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MKLAFLIDPI AALDPTH DST VALMEEAQLR GHEIWIGEIS DLSVHVGEPL GLLRPLKIEP VQWLGDWRWQV ANPWFTAGEA KRRSLHDFAA VFMRKDPPVT TAYLYATYLL DLVDPKTRV VNSPEGLRHA NEKMYALQFQ SVVPRTLVS NKAEIRAFD ELRAAVLKPL GKGAGEGILF LDPGDRNFNS LVEISTQQGQ LPVMVQQYLP EAKDGDKRII LVNGEPLGAV NRVPTGREFR GNMAVGGRVE AVPITDRDRE ICAAVAPRLR QDGLFFVGID VIGGYLTEVN VTSPTGIREI DRLNGVSIGD QTIAALEALV NQG
Source	E.coli
Target Names	gshB
Protein Names	Recommended name: Glutathione synthetase EC= 6.3.2.3 Alternative name(s): GSH synthetase Short name= GSH-S Short name= GSHase Glutathione synthase
Expression Region	1-323
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.