



# Recombinant *Synechococcus elongatus* Glutathione synthetase (gshB)

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| <b>Product Code</b>      | CSB-EP009969FPY-B   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | O32463  |
| <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>          | MKLAFLIDPI AALDPTH DST VALMEEAQLR GHEIWIGEIS DLSVHVGEPL<br>GLLRPLKIEP VQWLGDWRWQV ANPWFTAGEA KRRSLHDFAA VFMRKDPPVT<br>TAYLYATYLL DLVDPKTRV VNSPEGLRHA NEKMYALQFQ SVVPRTLVS<br>NKAEIRAFD ELRAAVLKPL GKGAGEGILF LDPGDRNFNS LVEISTQQGQ<br>LPVMVQQYLP EAKDGDKRII LVNGEPLGAV NRVPTGREFR GNMAVGGRVE<br>AVPITDRDRE ICAAVAPRLR QDGLFFVGID VIGGYLTEVN VTSPTGIREI<br>DRLNGVSIGD QTIAALEALV NQG                                    |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | gshB  |
| <b>Protein Names</b>     | Recommended name: Glutathione synthetase EC= 6.3.2.3 Alternative name(s):<br>GSH synthetase Short name= GSH-S Short name= GSHase Glutathione<br>synthase  |
| <b>Expression Region</b> | 1-323   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at<br>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<br>contents to the bottom. Please reconstitute protein in deionized sterile water to a<br>concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final<br>concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final<br>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,<br>storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life<br>of lyophilized form is 12 months at -20°C/-80°C.  |