



# Recombinant *Synechococcus elongatus* Glycogen synthase (glgA)

|                          |  |
|--------------------------|--|
| <b>Product Code</b>      | CSB-YP846311FPY  |
| <b>Abbreviation</b>      | glgA   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, 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 of lyophilized form is 12 months at -20°C/-80°C.   |
| <b>Uniprot No.</b>       | Q935Y7   |
| <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>          | MRILFVAAEC APFAKVGGMG DVVGS LPKVL KALGH DVRIF MPYYGFLNSK<br>LDIPAEPIWW GYAMFNHFAV YETQLPGSDV PLYLMGHPAF DPHRIYSGED<br>EDWRFTFFAN GAAEFSWNYW KPQVIHCHDW HTGMIPVWMH QSPDISTVFT<br>IHNLAYQGPW RWKLEKITWC PWYMQGDSTM AAALLYADRV NTVSPTYAQQ<br>IQTPTYGEKL EGLLSFISGK LSGILNGIDV DSYNPATDTR IVANYDRDTL<br>DKRLNNKLAL QKEMGLEVNP DRFLIGFVAR LVEQKGIDLL LQILDRFLSY<br>SDAQFVVLGT GERYYETQLW ELATRYPGRM STYLMYDEGL SRRIYAGSDA<br>FLVPSRFEPG GITQMLALRY GSVPIVVRTG GLVDTVFHHD PRHAEGNGYC<br>FDRYEPLDLY TCLVRAWESY QYQPQWQKLQ QRGMAVDLSW<br>KQSAIAYEQL YAEAIGLPID VLQEA |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | glgA   |
| <b>Protein Names</b>     | Recommended name: Glycogen synthase EC= 2.4.1.21 Alternative name(s):<br>Starch [bacterial glycogen] synthase  |
| <b>Expression Region</b> | 1-465  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 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 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.  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, 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  |



of lyophilized form is 12 months at -20°C/-80°C.