



Recombinant *Synechococcus elongatus* Glutamyl-tRNA reductase (hemA)

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|--------------------------|---|
| Product Code | CSB-EP654645FPY-B |
| Abbreviation | hemA |
| 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. | Q31QY3 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MHLAVVGLSH RTAPVAVREK LSIPQQVEA AIQQLKSYPH IEEVAILSTC NRLEIYCVTR ATEPGVREIT QFLSEHSHLP LGELRPHLFV LLHQDAVMHL MRVAAGLDSL VLGEGQILSQ VKTMYKLGQQ YEGVGRILNR LLKQAVTAGK RVRTETSIGT GAVSISSAAV ELAQLKVIAR DDRSDGNLAG QRVLILGAGK MSRLLVQHLL AKGADTIQIL NRTLGRAEEL AKQYGGDLQI QVGLLSGLMN AIVEADIVFT STSATDPILD RAKLEMVLAP EQRLMLIDIA VPRNVAADV ELTSVESYNV DDLREVVAQN QESRRKLAEE AEALLEEEVD AFDNWWQSLD TVPTINCLRD KIEMIREQEL EKALSRLGTE FGDKHQAVVE ALTRGIVNKI LHDPMVQLRS QQDIEARRRA VDALQMLFNL DPQGQLSS |
| Source | E.coli |
| Target Names | hemA |
| Protein Names | Recommended name: Glutamyl-tRNA reductase Short name= GluTR EC= 1.2.1.70 |
| Expression Region | 1-438 |
| 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.