



# Recombinant *Synechococcus elongatus* Ferrochelatase (hemH)

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| <b>Product Code</b>      | CSB-EP656748FPY-B  |
| <b>Abbreviation</b>      | hemH   |
| <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>       | Q31S00   |
| <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>          | MGRVGVLLLN LGGPERLEDV GPFLYNLFAD PEIIRLPFPW LQKPLAWLIS<br>SLRTRKSQEN YKQIGGGSP LRRITEEQATA LRQSLSDRGQ AAQVYIGMRY<br>WHPFTEEAIA QIKADGIDRL VILPLYPQFS ISTSGSSFRL LQRLRDRDPE<br>FQKIDCSVVP SWYERSGYLQ AMAELIAQEL DKLEQPEQGH VFFSAHGVPV<br>SYVEEAGDPY QREIEDCTRK IMETLGRSNP WTLAYQSRVG PVEWLQPYTE<br>DALEELAERG VKDLVVVPIS FVSEHITLE EIDIEYREIA EEAGIERFLR<br>VPALNTHPLF IQDLSLVEQ TLEQPRFRLE DVTLLPKKVK LYPQERWEWG<br>ITLNAEVWNG RIAMLGFLAL LVELLTGRGP LHALGLL |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | hemH   |
| <b>Protein Names</b>     | Recommended name: Ferrochelatase EC= 4.99.1.1 Alternative name(s): Heme synthase Protoheme ferro-lyase   |
| <b>Expression Region</b> | 1-387  |
| <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.   |