



# Recombinant Siroheme synthase (cysG)

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| <b>Product Code</b>      | CSB-EP772711SZB-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Abbreviation</b>      | cysG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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>       | Q83JB3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen Species</b> | Shigella flexneri                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Sequence</b>          | MDHLPIFCQL RDRDCLIVGG GDVAERKARL LLDAGARLTV NALAFIPQFT<br>AWADAGMLTL VEGPFDESLL DTCWLAIAAT DDDTLNQRVS EAAEARRIFC<br>NVVDAPKAAS FIMPSIIDRS PLMVAVSSGG TSPVLARLLR EKLESLLPLH<br>LGQVAKYAGQ LRGRVKQQFA TMSERRRFE KLFVNDRLAQ SLANNDQKAI<br>TETTEQLINE PLDHRGEVVL VGAGPGDAGL LTLKGLQQIQ QADV VVYDRL<br>VSDDIMNLVR RDADRVFVGK RAGYHCVPQE EINQILLREA QKGKRVVRLK<br>GGDPFIFGRG GEELETLCNA GIPFSVVPPI TAASGCSAYS GIPLTHRDYA<br>QSVRLITGHL KTGGEILDWEN LAAEKQTLVF YMGLNQAATI QQKLIHGMF<br>GEMPVAIVEN GTAVTQRVID GTLTQLGELA QQMNSPSLII IGRVVGLRDK<br>LNWFSNH |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Target Names</b>      | cysG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Names</b>     | Recommended name: Siroheme synthase Including the following 3 domains:<br>Uroporphyrinogen-III C-methyltransferase Short name= Urogen III methylase<br>EC= 2.1.1.107 Alternative name(s): SUMT Uroporphyrinogen III methylase S                                                                                                                                                                                                                                                                                                                   |
| <b>Expression Region</b> | 1-457                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <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.