



# Recombinant Escherichia coli Serine hydroxymethyltransferase (glyA)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-YP021274ENP   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | B1IVS6  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Escherichia coli (strain ATCC 8739 / DSM 1576 / Crooks)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MLKREMNIAD YDAELWQAME QEKVRQEEHI ELIASENYTS PRVMQAQGSQ<br>LTNKYAEGYP GKRYYGGEY VDIVEQLAID RAKELFGADY ANVQPHSGSQ<br>ANFAVYTALL EPGDTVLMN LAHGHLTHG SPVNFSGKLY NIVPYGIDAT<br>GHIDYADLEK QAKEHKPKMI IGGFSAYSGV VDWAKMREIA DSIGAYLFVD<br>MAHVAGLVAA GVYPNPVPHA HVVTTTTHTKT LAGPRGGLIL AKGGSEELYK<br>KLNSAVFPGG QGGPLMHVIA GKAVALKAM EPEFKTYQQQ VAKNAKAMVE<br>VFLERGYKVV SGGTDNHLFL VDLVDKNLTG KEADAALGRA NITVNKNSVP<br>NDPKSPFVTS GIRVGTPAIT RRGFKAEAK ELAGWMCDVL DSINDEAVIE<br>RIKGVLDIC ARYPVYA |
| <b>Source</b>            | Yeast   |
| <b>Target Names</b>      | glyA  |
| <b>Protein Names</b>     | Recommended name: Serine hydroxymethyltransferase Short name= SHMT<br>Short name= Serine methylase EC= 2.1.2.1  |
| <b>Expression Region</b> | 1-417   |
| <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.  |