



# Recombinant Escherichia coli Serine hydroxymethyltransferase (glyA)

<b>Product Code</b>	CSB-MP021274ENU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	C4ZXC6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12 / MC4100 / BW2952)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MLKREMNIAD YDAELWQAME QEKVRQEEHI ELIASENYTS PRVMQAQGSQ LTNKYAEGYP GKRYYGCEY VDIVEQLAID RAKELFGADY ANVQPHSGSQ ANFAVYTALL EPGDTVLMGN LAHGGLTHG SPVNFSGKLY NIVPYGIDAT GHIDYADLEK QAKEHKPKMI IGGFSAYSGV VDWAKMREIA DSIGAYLFVD MAHVAGLVAA GVYPNPVPHA HVVTTTTHTKT LAGPRGGLIL AKGGSEELYK KLNSAVFPGG QGGPLMHVIA GKAVALKEAM EPEFKTYQQQ VAKNAKAMVE VFLERGYKVV SGGTDNHLFL VDLVDKNLTG KEADAALGRA NITVNKNSVP NDPKSPFVTS GIRVGTPAIT RRGFKEAEAK ELAGWMCDVL DSINDEAVIE RIKGVLDIC ARYPVYA
<b>Source</b>	Mammalian cell
<b>Target Names</b>	glyA
<b>Protein Names</b>	Recommended name: Serine hydroxymethyltransferase Short name= SHMT 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. 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.