



# Recombinant Methanothermobacter marburgensis Serine hydroxymethyltransferase (glyA)

<b>Product Code</b>	CSB-EP021274MSQ-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P50436
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Methanothermobacter marburgensis (strain ATCC BAA-927 / DSM 2133 / JCM 14651 / NBRC 100331 / OCM 82 / Marburg) (Methanobacterium thermoautotrophicum)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MVSNQDYTER IRDLMKDHNS WMESSINLIA SENITSSRVK EALISDLSHR YAEGLPGERL YEGCRYIDEI EEITIELSKK LFRAEHANVQ PTSGVVANLA CFFATADVGD PMMAMEVPYG GHISHAKVSA AGVRGFKIYT HPFDFENMNI DADAMKKKIL EVKPRIILFG GSLFLFHPHV EEAVEAAEEV GARIMYDGAH VLGLIAGGYF QDPLREGADM LVGSTHKTFP GPQGGIILCR EELADDIDEA VFPGLVSNHH LHHVAGLGIA TAEMLEFGSE YAAQTIRNAK KLAENLNELG FNVLCHEHLD F TESHQVVMDV SDIGRAAEIS KKLEANNIIL NKNLLPWDDV NRSDDPGIR IGTQEITRRG MKESEMSEVA EYIKKVIDG RNVKEEVSEF MSSYTKVHYA FEESGAYKYM EIL
<b>Source</b>	E.coli
<b>Target Names</b>	glyA
<b>Protein Names</b>	Recommended name: Serine hydroxymethyltransferase Short name= SHMT Short name= Serine methylase EC= 2.1.2.-
<b>Expression Region</b>	1-423
<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.