



Recombinant *Saccharomyces cerevisiae* Serine hydroxymethyltransferase, mitochondrial (SHM1)

Product Code	CSB-EP339798SVG-B
Storage	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.
Uniprot No.	P37292
Product Type	Recombinant Protein
Immunogen Species	<i>Saccharomyces cerevisiae</i> (strain ATCC 204508 / S288c) (Baker's yeast)
Purity	>85% (SDS-PAGE)
Sequence	LTSGAQSLVS KPVSEGDPEM FDILQQRHR QKHSITLIPS ENFTSKAVMD LLGSELQNKY SEGYPGERYY GGNEIIDKSE SLCQARALEL YGLDPAKWGV NVQPLSGAPA NLYVYS AIMN VGERLMGLDL PDGGHLSHG YQLKSGTPI SF ISKYFQSMPY HVDHTTGLID YDNLQVLAKA FRPKVIVAGT SAYSRLIDYA RFKEISQGCG AYLMSDMAHI SGLVAANVVP SPFEHSDIVT TTHKSLRGP RGAMIFFRKG IKSVTKKGKE IPYELEKKIN FSVFPGHQGG PHNHTIGAMA VALKQAMSPE FKEYQQKIVD NSKWFAQELT KMGYKLVSGG TDNHLIVIDL SGTQVDGARV ETILSALNIA ANKNTIPGDK SALFPSGLRI GTPAMTTRGF GREEFSQVAK YIDSAVKLAE NLKTLEPTTK LDARSRLNEF KKLCSNESSEV AALSGEISKW VGQYPVPGDI
Source	E.coli
Target Names	SHM1
Protein Names	Recommended name: Serine hydroxymethyltransferase, mitochondrial Short name= SHMT EC= 2.1.2.1 Alternative name(s): Glycine hydroxymethyltransferase Serine methylase
Expression Region	21-490
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Reconstitution	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.
Shelf Life	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.