



Recombinant *Ashbya gossypii* Serine hydroxymethyltransferase, mitochondrial (SHM1)

Product Code	CSB-MP755139DOT
Abbreviation	SHM1
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.	Q758F0
Product Type	Recombinant Protein
Immunogen Species	<i>Ashbya gossypii</i> (strain ATCC 10895 / CBS 109.51 / FGSC 9923 / NRRL Y-1056) (Yeast) (<i>Eremothecium gossypii</i>)
Purity	>85% (SDS-PAGE)
Sequence	RSA NGQLMLSQHV QEFDPEMYDI LTKERSRQKR SITLIPSENF TSVAVMNLG SEMQNKYSEG YPGQRYGGN QYIDMAESLC QKRALELYGL DPAKWGVNVQ SLSGAPANLY AYSAIMEVGD RMMGLDLPHG GHLSHGYQLQ NGNKISYISK YFQTMAYRVD PATGLVDYDT LSETSKLFRP KVIVAGTSAY ARVLDYKRFR EIADACGAYL LSDMAHVSGL VAAGVHPSPF EYSDIVTTTT HKSLRGPRGA MIFYRKGIK VTKKGTEIMY DLDKRINFSV FPAHQGGPHN HTISALAVAL KQAATPEFKN YQTAVVENAK VFGEELSKRG FSLVSGGTD HLLIDLSPM GIDGSRLETI LERLNIAANK NTIPGDKSAL YPSGLRVGTP AMTTRGFGPA EFGRVAAAYIN EAVKLAIGLK SQEPVDAKDA KTRLAHFKSF CAESEQVTKL ANEVADWVAQ YPVPGEL
Source	Mammalian cell
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	28-497
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.