



Recombinant *Synechococcus elongatus* S-adenosylmethionine synthase (metK)

Product Code	CSB-EP656714FPY
Abbreviation	metK
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.	Q31KC6
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MTRRYLFTSE SVTEGHPDKI CDQISDTILD ALLTEDPSSR VAAEVVNTG LVLITGEVST QAQTNLIDLA RRKIAEIGYT GEDSGFGANN CTVLIALDKQ SPDIAQGVDT AQEQRQASSD ERFDSIGAGD QGIMFGYACN EAPELMPLPI SLSHRLARQL AVVRHNGQLD YLRPDGKTQV TIAYEDGKPV AIDTILISTQ HCAAIGDISD DNAVQERIKS DLWEQVVLPV FSDLVIQPDS ATRFLVNPTG KFVIGGPQGD AGLTGRKIIV DTYGGYSRHG GGAFSGKDPT KVDRSAAYAC RYVAKNIVAA GLAEKCEVQL SYAIGVARPV SVLVETFGTG KVADEVLLDL VRKHFELRPA GIIEHFNLQR LPGERGGRFY QEVAAYGHFG RNDLDPWEQ TDKADTLRQE ALATTQA
Source	E.coli
Target Names	metK
Protein Names	Recommended name: S-adenosylmethionine synthase Short name= AdoMet synthase EC= 2.5.1.6 Alternative name(s): MAT Methionine adenosyltransferase
Expression Region	1-417
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 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.