



# Recombinant *Synechococcus elongatus* Phosphomethylpyrimidine synthase (thiC)

<b>Product Code</b>	CSB-EP657423FPY-B
<b>Abbreviation</b>	thiC
<b>Storage</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.
<b>Uniprot No.</b>	Q31P93
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Synechococcus elongatus</i> (strain PCC 7942) ( <i>Anacystis nidulans</i> R2)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MRSDWIAPRR GQANVTQMHY ARQGVITEEM DFVARRENLP ADLIRDEVAR GRMIIPANIN HTNLEPMAIG IASKCKVNAN IGASPNASNI DEEVEKLKLA VKYGADTVMD LSTGGGNLDE IRTAINASP VPIGTVPVYQ ALESVHGRIE KLSADDFLHV IEKHCEQGVD YQTIHAGLLI EHLPKVKSRI TGIVSRGGGI IAQWMLYHHK QNPLYTHFRD IIEIFKRYDC SFSLGDSLRLP GCLHDASDDA QLSELKTLGQ LTRVAWEHDV QVMVEGPGHV PMDQIEFNVR KQMEECSEAP FYVLGPLVTD IAPGYDHITS AIGAAMAGWY GTAMLCYVTP KEHLGLPNAE DVRNGLIAYK IAAHAADIAR HRPGARDRDD ELSRARYAFD WNKQFDLSLD PERAREYHDE TLPADIYKTA EFCSMCGPKH CPMQTKITEE DLTELEKFLE KDSALA
<b>Source</b>	E.coli
<b>Target Names</b>	thiC
<b>Protein Names</b>	Recommended name: Phosphomethylpyrimidine synthase EC= 4.1.99.17 Alternative name(s): Hydroxymethylpyrimidine phosphate synthase Short name= HMP-P synthase Short name= HMP-phosphate synthase Short name= HMPP synthase
<b>Expression Region</b>	1-456
<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.



## Shelf Life

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