



# Recombinant Escherichia coli O127:H6 Phosphomethylpyrimidine synthase (thiC)

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|--------------------------|--|
| <b>Product Code</b>      | CSB-MP484810EOB  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | B7UPE9   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli O127:H6 (strain E2348/69 / EPEC)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MSATKLTRE QRAQAQHFID TLEGSAFPNS KRIYITGTQP GVRVPMREIQ<br>LSPTLIGGSK EQPQYEENEA IPVYDTSGPY GDPQIAINVQ QGLAKLRQPW<br>IDARGDTEEL TVRSSDYTKA RLADDGLDEL RFSGVLTPKR AKAGRRVTQL<br>HYARKGIITP EMEFIAIREN MGRERIRSEV LRHQHPGMSF GARLPENITA<br>EFVRDEVAAG RAIIPANINH PESEPMIIGR NFLVKVNANI GNSAVTSSIE<br>EEVEKLVWST RWGADTVMDL STGRYIHETR EWILRNVPV IGTVPIYQAL<br>EKVNGIAEDL TWEAFRDTLL EQAEQGVDFY TIHAGVLLRY VPMTAKRLTG<br>IVSRGGSIMA KWCLSHHQEN FLYQHFREIC EICAAVDVSL SLGDGLRPGS<br>IQDANDEAQF AELHTLGELT KIAWEYDVQV MIEGPGHVPM QMIRRNMTTE<br>LEHCHEAPFY TLGPLTTDIA PGYDHFTSGI GAAMIGWFGC AMLCYVTPKE<br>HLGLPNKEDV KQGLITYKIA AHAADLAKGH PGAQIRDNAM SKARFEFRWE<br>DQFNLALDPF TARAYHDETL PQESGKVAHF CSMCGPKFCS MKISQEVDRDY<br>AAAQTIEVGM ADMSENFRRAR GGEIYLRKEE A |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | thiC   |
| <b>Protein Names</b>     | Recommended name: Phosphomethylpyrimidine synthase EC= 4.1.99.17<br>Alternative name(s): Hydroxymethylpyrimidine phosphate synthase Short<br>name= HMP-P synthase Short name= HMP-phosphate synthase Short name=<br>HMPP synthase  |
| <b>Expression Region</b> | 1-631  |
| <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.

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