



# Recombinant *Synechococcus elongatus* 4-diphosphocytidyl-2-C-methyl-D-erythritol kinase (ispE)

<b>Product Code</b>	CSB-EP658126FPY-B
<b>Abbreviation</b>	ispE
<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>	Q31RH7
<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>	MKTLTLVAPA KINFYLEILG DRPDGFHELA MVMQSIALGD RLHLRQRQGQ GFQLGCDRAD LEVDERNLIL KAAQRLQRSF PQIGGVDFFL EKRIPIGAGL AGGSTDGA AAA LVGLDIFSGL GLTQPELEAI AAELGSDMPF CVAGGTQLCT SRGEQLTPLP PLPSLSLVLA KFESLSVSTP WAYGRYREQF GDRYLQTEPA RRDRLQALHA GPLLQAMSAG DPVAIAQHRL NDLEAVVLPE YPQVAELRSV LGNCSGILAA QMSGSGPSVF GIAENPTAAQ AAVEQVRQAI ADPDLKLWVT QTISHGIQTE TLLR
<b>Source</b>	E.coli
<b>Target Names</b>	ispE
<b>Protein Names</b>	Recommended name: 4-diphosphocytidyl-2-C-methyl-D-erythritol kinase Short name= CMK EC= 2.7.1.148 Alternative name(s): 4-(cytidine-5'-diphospho)-2-C-methyl-D-erythritol kinase
<b>Expression Region</b>	1-314
<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.
<b>Shelf Life</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.