



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

Product Code	CSB-EP658126FPY
Abbreviation	ispE
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.	Q31RH7
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MKTLTLVAPA KINFYLEILG DRPDGFHELA MVMQSIALGD RLHLRQRQGQ GFQLGCDRAD LEVDERNLIL KAAQLRQRSF PQIGGVDFFL EKRIPIGAGL AGGSTDGA AAA LVGLDIFSG L GLTQPELEAI AAELGSDMPF CVAGGTQLCT SRGEQLTPLP PLPSLSLVLA KFESLSVSTP WAYGRYREQF GDRYLQTEPA RRDRLQALHA GPLLQAMSAG DPVAIAQH LR NDLEAVVLPE YPQVAELRSV LGNC SGILAA QMSGSGPSVF GIAENPTAAQ AAVEQVRQAI ADPDLKLWVT QTISHGIQTE TLLR
Source	E.coli
Target Names	ispE
Protein Names	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
Expression Region	1-314
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.