



Recombinant *Synechococcus elongatus* Dihydrodipicolinate synthase (dapA)

Product Code	CSB-EP653223FPY-B
Abbreviation	dapA
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.	Q31M42
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	≥85% (SDS-PAGE)
Sequence	MPQPYPFGRV ITAMITPFNA EGQVAYDIAQ SLAVHLVEQG SDGLVICGTT GESPTLTWEE ELQLFRAVKE AVGDRAAVIA GTGSNCTREA IAATQSAATL GLNGSLQVVP YYNKPPQEGL YAHFRAIAEA CPDLPMLLYN IPGRTGQSLQ PETVARLASL PNVVAIKAAS GNVEEVSA LR QLLPDSFAIY SGDDSLTLPM LAVGAQGVVS VASHLVGPQL QALIQAFEAG NVARAQQ LHH QLYPLFKALF LTTNPIPVRA AMELLGWSIG LPRLPLVPAS AEIRQALASC LTELGLYTA
Source	E.coli
Target Names	dapA
Protein Names	Recommended name: Dihydrodipicolinate synthase Short name= DHDPS EC= 4.2.1.52
Expression Region	1-299
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.