



# Recombinant *Synechococcus elongatus* N5-carboxyaminoimidazole ribonucleotide synthase (purK)

<b>Product Code</b>	CSB-EP706655FPY-B
<b>Abbreviation</b>	purK
<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>	Q54975
<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>	MNAIAVSPVQ HVGVI GGGQL AWMLAPAAQQ LGMSLHVQTP NDHDPVAVAIA DQTVLAAVAD AAATAKLAQA CDVITFENEF VDLPALTELE ETGVRFRPRP AAIASLLDKL DQRQLLTRLG LPTPRFLAIA AATATESELT ALGFPVVLKQ RRHGYDGKGT QVLRSLAELQ QALQSYGDTP LLEEFIPFE QELAVMVAR QSGAIATFPV VQTHQQNQVC RWVVAPAAIP GALQKAVAAI ARTLVETVDY VGVAGIELFQ QGDRLWVNEI APRTHNSGHY SLDACQTSQF EQQLRAIADL PLGSTALQWP GALMVNLLGF EDHQSGYAEL RQQLAALPGA CLYWYGKTES KPGRKLGHIT LPLSGASSTE RAQQAQTMLA QVEAIWPNPD TAHQP
<b>Source</b>	E.coli
<b>Target Names</b>	purK
<b>Protein Names</b>	Recommended name: N5-carboxyaminoimidazole ribonucleotide synthase Short name= N5-CAIR synthase EC= 6.3.4.18 Alternative name(s): 5-(carboxyamino)imidazole ribonucleotide synthetase
<b>Expression Region</b>	1-395
<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.



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