



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

<b>Product Code</b>	CSB-YP706655FPY
<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 S QSGAIATFPV VQTHQQNQVC RWVVAPAAIP GALQKAVAAI ARTLVETVDY VGVAGIELFQ QGDRLWVNEI APRTHNSGHY SLDACQTSQF EQQLRAIADL PLGSTALQWP GALMVNLLGF EDHQSGYAEL RQQLAALPGA CLYWYGKTES KPGRKLGHIT LPLSGASSTE RAQQAQTMLA QVEAIWPNPD TAHQP
<b>Source</b>	Yeast
<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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