



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

Product Code	CSB-EP706655FPY
Abbreviation	purK
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.	Q54975
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	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 EDHQSGY AEL RQQLAALPGA CLYWYGKTES KPGRKLG HIT LPLSGASSTE RAQQAQTMLA QVEAIWP NPD TAHQP
Source	E.coli
Target Names	purK
Protein Names	Recommended name: N5-carboxyaminoimidazole ribonucleotide synthase Short name= N5-CAIR synthase EC= 6.3.4.18 Alternative name(s): 5-(carboxyamino)imidazole ribonucleotide synthetase
Expression Region	1-395
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.



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