



# Recombinant Escherichia coli N5-carboxyaminoimidazole ribonucleotide synthase (purK)

<b>Product Code</b>	CSB-EP357555ENV-B
<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>	P09029
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MKQVCVLGNG QLGRMLRQAG EPLGIAVWPV GLDAEPAAVP FQQSVITAEI ERWPETALTR ELARHPAFVN RDVFPIADR LTQKQLFDKL HLPTAPWQLL AERSEWPAVF DRLGELAIK RRTGGYDGRG QWRLRANETE QLPAECYGEC IVEQGINFSG EVSLVGARGF DGSTVFYPLT HNLHQDGILR TSVAFQANA QQQAQAEEML SAIMQELGYV GVMAMECFVT PQGLLINELA PRVHNSGHWT QNGASISQFE LHLRAITDLP LPQPVVNNPS VMINLIGSDV NYDWLKLPLV HLHWYDKEVR PGRKVGHLNL TSDTSRLTA TLEALIPLLP PEYASGVIWA QSKFG
<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>	1-355
<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. 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.