



# Recombinant *Synechococcus elongatus* Amidophosphoribosyltransferase (purF)

<b>Product Code</b>	CSB-EP706926FPY-B
<b>Abbreviation</b>	purF
<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>	Q55038
<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>	CGVF ALYAPGEEVA RMAYFGLYAL QHRGQESAGI AVFEGDRVML HKDMGLVSQV FDPEILQQLQ GSLAVGHTRY STTGSSRIAN AQPALLETRL GPVALAHNGN LVNTVELRQE LLAKNHELTT TTDSELIAFA IMEAVAEGQD WRGAIESACR RSQGAFSLTI GTPEALYGTR DPNGIRPLVL GTLESNGQTR YVLSSETCGL DIIGADYVRD IAPGEMVRIT DAGLESWTWA EAPQPKLCVF EMIIYFARPDS LFHGESLYSY RRRIGQRLAK EAPADVLDLVL GVPDSGIPAA IGFSEALGIP YAEGLIKRY VGRTFIQPTQ SMRETGIRMK LNPLKDVLAG KRIAIIDDSI VRGTTSRKLV KALRDAGATE VHMRISSPPV THPCFYGIDT DTQDQLIAAT RSVSEITEQI GVDSLAYLTE QGMLEATRES IGNFCTACFN GRYPYIAPEE IKRSKLMLET VTA
<b>Source</b>	E.coli
<b>Target Names</b>	purF
<b>Protein Names</b>	Recommended name: Amidophosphoribosyltransferase Short name= ATase EC= 2.4.2.14 Alternative name(s): Glutamine phosphoribosylpyrophosphate amidotransferase Short name= GPATase
<b>Expression Region</b>	27-493
<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 of Mature 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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