



Recombinant *Synechococcus elongatus* Adenylosuccinate synthetase (purA)

Product Code	CSB-YP654620FPY
Abbreviation	purA
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.	Q31KI0
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MANVVVIGAQ WGDEGKGGKIT DLLRSADV VRYQGGVNAG HTVVVGEQTL KLHLIPSGIL YPDTQCIIGS GTVIDPKVLL GEVEMLEQLG ISTDHLLISQ TAHVTMPYHR LIDQASEQQR GSHKIGTTGR GIGPTYADKS ERTGIRILD MDPEGLREQL TWTIAQKNVI LDKLYGLPPL DAESVIEEYS GYAERLRPHV VDSSLTIDEA WRKRKNILFE GAQGTLDDLD HGTYPYVTSS NPVAGGACIG AGVGPTIIDR VIGVAKAYTT RVGEGPFTE LHGDIGELLC QRGAEFGTTT GRRRCGWFD AVIGRYAVRI NGIDCLAITK LDVLDLDEI QVCVAYDIDG ERCDFPSSA RSFANCQPIY KTVPGWKQST SHCRNLEDLP KAALDYLKFL AELMEVPIAI VSLGASRDQT IIVEDPIHGP KRALLYTNGD SSAS
Source	Yeast
Target Names	purA
Protein Names	Recommended name: Adenylosuccinate synthetase Short name= AMPSase Short name= AdSS EC= 6.3.4.4 Alternative name(s): IMP--aspartate ligase
Expression Region	1-444
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. 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.