



Recombinant *Synechococcus elongatus* Aspartate carbamoyltransferase (pyrB)

Product Code	CSB-EP653939FPY-B
Abbreviation	pyrB
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.	Q31QG7
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MSDWQRRHIL SLADFSPVEY EMVLRTAAGF AEVLQRRNKK VPTLQGQVVT TLFFEPSTRT RSSFELAAKR LSADTINFAA SSSSLSKGET ILDTARTYLA MGSDIMVVRH AQAGVPQAIA REMERLGTEV RVLNAGDGQH EHPSQALLDL FTICSVIQPE QPSLGAIAGK KIAIVGDILH SRVARSNIWS LTAAGAEVHL AAPPTLLPPE FAQFANTPIP GSGLPRQLQI HWQLESALEN ADFVMTLRLQ QERMSQSLLP SLREYHREFG LTRDRLRVCQ PSVKLLHPGP VNRGVELSSD LMEDESISLI QPQVTNGVAV RMALLYLIGA AVPA AIPA
Source	<i>E.coli</i>
Target Names	pyrB
Protein Names	Recommended name: Aspartate carbamoyltransferase EC= 2.1.3.2 Alternative name(s): Aspartate transcarbamylase Short name= ATCase
Expression Region	1-338
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.