



Recombinant *Synechococcus elongatus* Carbamoyl-phosphate synthase small chain (carA)

Product Code	CSB-YP657412FPY
Abbreviation	carA
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.	Q31LB7
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MVRISGFCCA MSLAERQAAL LVLADGSVFH GYACGAAGTV IGEVVFNTGM TGYQEVL TDP SYCGQIVSFT YPELGNTGVN PEDEESARPQ VSGLIARNVA RRHSNWRADR SLPDYLQQHN IVGIYGIDTR ALTQHLRSTG AMNGGISTTI LDPEELWAEV KAAPSM EGLN LVDQVTTDRP YEWQTPTSQT WEFIEGPTTE SLTVVAIDFG VKRNILRRLA SYGCRVIVVP ADTPIEEILR HEPDGVFLSN GPGDPATVKN GISTAQALLQ TGLPLFGICL GHQILGLALG AQTFLKFKFGH RGLNHPCGLS QQVEITSQNH GFAIAADSLG PDVEVTHLNL NDRTVAGLRH RHLPVFSVQY HPEASPGPHD SDYLF EQFVA LMRDRQPTPV A
Source	Yeast
Target Names	carA
Protein Names	Recommended name: Carbamoyl-phosphate synthase small chain EC= 6.3.5.5 Alternative name(s): Carbamoyl-phosphate synthetase glutamine chain
Expression Region	1-391
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.