



Recombinant *Synechococcus elongatus* Glutamyl-tRNA (Gln) amidotransferase subunit A (gatA)

Product Code	CSB-EP654627FPY-B
Abbreviation	gatA
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.	Q31LC2
Product Type	Recombinant Protein
Immunogen Species	<i>Synechococcus elongatus</i> (strain PCC 7942) (<i>Anacystis nidulans</i> R2)
Purity	>85% (SDS-PAGE)
Sequence	MASIRELHSQ LVRKERSAVE IAEAALQRIE TLEPQLKSFL HVTADQAIQAQ AKAVDQRIAA GEEISLLAGI PIGIKDNLCT RGIPTTCASK ILQGFVPPYE STVTQRLAEA GAVAVGKTNL DEFAMGSSTE NSAYQTTANP WDLTRVPGGS SGGSAAAVAA DECVVALGSD TGG SIRQPA FCGVVGLKPT YGLVSRVGLV AYASSLDQIG PFSRSVEDTA ILLGAIAGHD PKDATSLKVE VPDYTQFLKP SLAGIKVGV I TETVTDSPAG QAMQAAL EVL QGLGAEIREI SCPRFAYGLP AYYIIAPSEA SANLARYDGV KYGYRVEEAE TLIDMYCRTR AEGFGSEVKR RIMIGTYALS AGYYDAYYLK AQKVRTLIQ DFEEAFAEVD VLVSPPTPTT AFKAGEKTAD PLSMYLSDLM TIPVNLGLP GLSLPCGFDE AGLPYGLQII GNVLRDQVL HTAYAYEQAT EWHLRQPAL
Source	E.coli
Target Names	gatA
Protein Names	Recommended name: Glutamyl-tRNA(Gln) amidotransferase subunit A Short name= Glu-ADT subunit A EC= 6.3.5.-
Expression Region	1-479
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.