



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

<b>Product Code</b>	CSB-YP654627FPY
<b>Abbreviation</b>	gatA
<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>	Q31LC2
<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>	MASIRELHSQ LVRKERSAVE IAEAALQRIE TLEPQLKSFL HVTADQAIQ AKAVDQRIAA GEEISLLAGI PIGIKDNLCT RGIPTTCASK ILQGFVPPYE STVTQRLAEA GAVAVGKTNL DEFAMGSSTE NSAYQTTANP WDLTRVPGGS SGGSAAAVAA DECVVALGSD TGG SIRQPAA FCGVVGLKPT YGLVSRVGLV AYASSLDQIG PFSRSVEDTA ILLGAIAGHD PKDATSLKVE VPDYTQFLKP SLAGIKVGI TETVTDSPAG QAMQAALVL QGLGAEIREI SCPRFAYGLP AYYIIAPSEA SANLARYDGV KYGYRVEEAE TLIDMYCRTR AEGFGSEVKR RIMIGTYALS AGYYDAYYLK AQKVRTLIKQ DFEEAFAEVD VLVSPPTPTT AFKAGEKTAD PLSMYLSDLM TIPVNLGLP GLSLPCGFDE AGLPYGLQII GNVLRDQVL HTAYAYEQAT EWHLRQPAL
<b>Source</b>	Yeast
<b>Target Names</b>	gatA
<b>Protein Names</b>	Recommended name: Glutamyl-tRNA(Gln) amidotransferase subunit A Short name= Glu-ADT subunit A EC= 6.3.5.-
<b>Expression Region</b>	1-479
<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 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. 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.