



# Recombinant Escherichia coli Glutamine synthetase (glnA)

<b>Product Code</b>	CSB-EP009553ENV-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P0A9C5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SAEHLVTML NEHEVKFVDL RFTDTKGKEQ HVTIPAHQVN AEFEEGKMF DGSSIGGWKG INESDMVLP DASTAVIDPF FADSTLIIRC DILEPGTLQG YDRDPRSIK RAEDYLRSTG IADTVLFGPE PEFFLFDDIR FGSSISGSHV AIDDIEGAWN SSTQYEGGNK GHRPAVKGGY FPVPPVDSAQ DIRSEMCLVM EQMGLVVEAH HHEVATAGQN EVATRFNTMT KKADEIQIYK YVHNVHRF GKTATFMPKP MFGDNGSGMH CHMSLSKNGV NLFAGDKYAG LSEQALYYIG GVIKHAKAIN ALANPTTNSY KRLVPGYEAP VMLAYSARNR SASIRIPVVS SPKARRIEVR FPDPAANPYL CFAALLMAGL DGIKNKIHPG EAMDKNLYDL PPEEAKEIPQ VAGSLEEALN ELDLDREFLK AGGVFTDEAI DAYIALRREE DDRVRMTPHP VEFELYYSV
<b>Source</b>	E.coli
<b>Target Names</b>	glnA
<b>Protein Names</b>	Recommended name: Glutamine synthetase EC= 6.3.1.2 Alternative name(s): Glutamate--ammonia ligase
<b>Expression Region</b>	2-469
<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 of Mature 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.