



Recombinant *Xenopus laevis* Glutamine synthetase (glul)

Product Code	CSB-EP009553XBE-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P51121
Product Type	Recombinant Protein
Immunogen Species	<i>Xenopus laevis</i> (African clawed frog)
Purity	>85% (SDS-PAGE)
Sequence	MSVSHSSRLN KGVREQYMKL PQGEKVQVTY VWIDGTGEGV RCKTRTLDQE PKTIDEIPEW NFDGSSTHQA EGSNSDMYLI PVQMFRDPFC LDPNKLVMCE VLKYNRKS AE TNLRHTCKKI MEMVNDHRPW FGMEQEY TLL GINGHPYGWP ENGFP GPQGP YYCGVGADKV YGRDV VESHY KACLYAGIKI CGTNAEVMPS QWEFQVGPCE GIDMGDHLWM ARFILHRVCE DFGVVATLDP KPMTGNWNGA GCHTNYSTES MRVEGGLKHI EDAIEKLGKR HDYHICVYDP RGGKDNSRRL TGQHETSSIH EFSAGVANRG ASIRIPRQVG QEGYGYFEDR RPAANCDPYA VTEALVRTTI LNETGSETKD YKNGAGFSRA IGMASPRDAA VF
Source	<i>E. coli</i>
Target Names	glul
Protein Names	Recommended name: Glutamine synthetase Short name= GS EC= 6.3.1.2 Alternative name(s): Glutamate decarboxylase EC= 4.1.1.15 Glutamate-- ammonia ligase
Expression Region	1-392
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.