



Recombinant *Saccharomyces cerevisiae* Glutamine synthetase (GLN1)

Product Code	CSB-YP009553SVG
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P32288
Product Type	Recombinant Protein
Immunogen Species	<i>Saccharomyces cerevisiae</i> (strain ATCC 204508 / S288c) (Baker's yeast)
Purity	>85% (SDS-PAGE)
Sequence	AEASIEKTQ ILQKYLELDQ RGRIIAEYVW IDGTGNLRSK GRTLKKRITS IDQLPEWNFD GSSTNQAPGH DSDIYLKPPVA YYPDPFRRGD NIVVLAACYN NDGTPNKFNH RHEAAKLF AA HKDEEIWFGL EQEYTLFD MY DDVYGWPKGG YPAPQGPYYC GVGAGKVYAR DMIEAHYRAC LYAGLEISGI NAEVMPSQWE FQVGPCTGID MGDQLWMARY FLHRVAEEFG IKISFHPKPL KGDWNGAGCH TNVSTKEMRQ PGGMKYIEQA IEKLSKRHAE HIKLYGSDND MRLTGRHETA SMTAFSSGVA NRGSSIRIPR SVAKEGYGYF EDRRPASNID PYLVTGIMCE TVCGAIDNAD MTKEFERESS
Source	Yeast
Target Names	GLN1
Protein Names	Recommended name: Glutamine synthetase Short name= GS EC= 6.3.1.2 Alternative name(s): Glutamate--ammonia ligase
Expression Region	2-370
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 of Mature 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.