



Recombinant *Thermotoga maritima* Glutamine synthetase (glnA)

Product Code	CSB-YP009553TNJ
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P36205
Product Type	Recombinant Protein
Immunogen Species	<i>Thermotoga maritima</i> (strain ATCC 43589 / MSB8 / DSM 3109 / JCM 10099)
Purity	>85% (SDS-PAGE)
Sequence	MTIETIKRII EEENVRFIRL QFTDINGTLK NLEITPDVFL ESWEDGIMFD GSSIEGFVRI EESDMYLKPV LDTFAVLPWT VDGAKSARVI CDVYTPDGKP FEGDPYRLR RMMEKAEQLG YTPYAGPEME FFILPINEKG EPVPEFLDHG GYFDLLPLSK VEEIRRDIAI ALEKMGITVE ATHHEVAPSQ HEVDFRYDTF LRTADNAQTV KLVIKTMAIF HGYHATFMPK PFYGVNGSGM HVHMSLFRGD KNAFYDPDDP LGLSKELRYF VGGILKHAKA LAAVTNPTIN SYKRLVPGYE APVYISWSVG NRSALIRIPK ARGKATRLEY RSPDPSCTNIY LAFAAILAAG LDGIINKIEP PAPVEENIYH MTSERREELN IESLPGSLKE AVEELKDDV IIDALGEHIF EKFEVAAEKD WKEFSTYVTN WELQRYLYL
Source	Yeast
Target Names	glnA
Protein Names	Recommended name: Glutamine synthetase Short name= GS EC= 6.3.1.2 Alternative name(s): Glutamate--ammonia ligase
Expression Region	1-439
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.