



Recombinant Escherichia coli Glutamate synthase [NADPH] small chain (gltD)

Product Code	CSB-EP362809ENV
Storage	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.
Uniprot No.	P09832
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	>85% (SDS-PAGE)
Sequence	SQNVYQFID LQRVDPKPKP LKIRKIEFVE IYEPFSEGQA KAQADRCLSC GNPYCEWKCP VHNYIPNWLK LANEGRIFEA AELSHQTNTL PEVCGRVCPQ DRLCEGSCTL NDEFGAVTIG NIERYINDKA FEMGWRPDMS GVKQTGKKVA IIGAGPAGLA CADVLTRNGV KAVVFDRHPE IGLLLTFGIP AFKLEKEVMT RRREIFTGMG IEFKLNTEVG RDVQLDDLSS DYDAVFLGVG TYQSMRGGLE NEDADGVYAA LPFLIANTKQ LMGFGETRDE PFVSMGKRV VVLGGGDTAM DCVRTSVRQG AKHVTCAYRR DEENMPGSRR EVKNAREEGV EFKFNVQPLG IEVNGNGKVS GVKMVRTEMG EPDAKRRRA EIVAGSEHIV PADAVIMAFG FRPHNMEWLA KHSVELDSQG RIIAPEGSDN AFQTSNPKIF AGGDIVRGSD LVVTAIAEGR KAADGIMNWL EV
Source	E.coli
Target Names	gltD
Protein Names	Recommended name: Glutamate synthase [NADPH] small chain EC= 1.4.1.13 Alternative name(s): Glutamate synthase subunit beta Short name= GLTS beta chain NADPH-GOGAT
Expression Region	2-472
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.