



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

<b>Product Code</b>	CSB-EP362809ENV-B
<b>Storage</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.
<b>Uniprot No.</b>	P09832
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SQNVYQFID LQRVDPKPKP LKIRKIEFVE IYEPFSEGQA KAQADRCLSC GNPYCEWKCP VHNYIPNWLK LANEGRIFEA AELSHQTNTL PEVCGRVCPQ DRLCEGSCTL NDEFGAVTIG NIERYINDKA FEMGWPRDMS GVKQTGKKVA IIGAGPAGLA CADVLRNGV KAVVFDRHPE IGLLTFGIP AFKLEKEVMT RRREIFTGMG IEFKLNTEVG RDVQLDDLSS DYDAVFLGVG TYQSMRGGLE NEDADGVYAA LPFLIANTKQ LMGFGETRDE PFVSMGKRV VVLGGGDTAM DCVRTSVRQG AKHVTCAYRR DEENMPGSRR EVKNAREEGV EFKFNQPLG IEVNGNGKVS GVKMVRTEMG EPDAKGRRA EIVAGSEHIV PADAVIMAFG FRPHNMEWLA KHSVELDSQG RIIAPEGSDN AFQTSNPKIF AGGDIVRGSD LVVTAIAEGR KAADGIMNWL EV
<b>Source</b>	E.coli
<b>Target Names</b>	gltD
<b>Protein Names</b>	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
<b>Expression Region</b>	2-472
<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.