



Recombinant Bacillus subtilis Glutamate--tRNA ligase (gltX)

Product Code	CSB-EP325254BRJ
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.	P22250
Product Type	Recombinant Protein
Immunogen Species	Bacillus subtilis (strain 168)
Purity	>85% (SDS-PAGE)
Sequence	MGNEVRVRYA PSPTGHLHIG NARTALFNYL FARNQGGKFI IRVEDTDKRR NIEGGEQSQL NYLKWLGIDW DESVDVGGEY GPYRQSERND IYKVYYEELL EKGLAYKCYC TEEELEKERE EQIARGEMPR YSGKHRDLTQ EEQEKFIAEG RKPSIRFRVP EGKVI AFNDI VKGEISFESD GIGDFVIVKK DGTPTYNFAV AIDDYLMKMT HVLRGEDHIS NTPKQIMIYQ AFGWDIPQFG HMTLIVNESR KKLSKRDESI IQFIEQYKEL GYLPEALFNF IGLLGWSPVG EEELFTKEQF IEIFDVNRLS KSPALFDMHK LKWVNNQYVK KLDLDQVVEL TLP HLQKAGK VGTELSAEEQ EWVRKLISLY HEQLSYGAEI VELTDLFFTD EIEYNQEAKA VLEEEQVPEV LSTFAAKLEE LEEFTPDNIK ASIKAVQKET GHKGGKLFMP IRVAVTGQTH GPELPQSIEL IGTKETAIQRL KNI
Source	E.coli
Target Names	gltX
Protein Names	Recommended name: Glutamate--tRNA ligase EC= 6.1.1.17 Alternative name(s): Glutamyl-tRNA synthetase Short name= GluRS
Expression Region	1-483
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.