



Recombinant Escherichia coli Glutamate--tRNA ligase (gltX)

Product Code	CSB-EP536858ENP-B
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.	B1IX65
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain ATCC 8739 / DSM 1576 / Crooks)
Purity	>85% (SDS-PAGE)
Sequence	MKIKTRFAPSPTGYLHVGGARTALYSWLFARNHGGFVLRIEDTLERSTPEAI EAIMDG MNWLSLEWDEGPYYQTKRFDRYNAVIDQMLEEGTAYKCYCSKERLEALREE QMAKGEKPR YDGRCRHSHEHHADDEPCVVRFANPQEGSVVFDDQIRGPIEFSNQELDDLIIR RTDGSPT YNFCVVVDDWDMEITHVIRGEDHINNTPRQINILKALKAPVPVYAHVSMINGDD GKKLSK RHGAVSVMQYRDDGYLPEALLNYLVRLGWSHGQEIFTREEMIKYFTLNAVSK SASAFNT DKLLWLNHHYINALPPEYVATHLQWHIEQENIDTRNGPQLADLVKLLGERCKTL KEMSQS CRYFYEDFAEFDADAACKHLRPVARQPLEVVRDKLAAITDWTAEVHHAIQAT ADELEVG MGKVGMPPLRVAVTGAGQSPALDVTVHAIGKTRSIERINKALDFIAERENQQ
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	1-471
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

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