



Recombinant Escherichia coli Glutamate--tRNA ligase (gltX)

Product Code	CSB-EP637166EGW-B
Abbreviation	gltX
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.	Q1R8W9
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain UTI89 / UPEC)
Purity	≥85% (SDS-PAGE)
Sequence	MKIKTRFAPS PTGYLHVGGGA RTALYSWLFA RNHGGEFVLR IEDTDLERST PEAIEAIMDG MNWLSLEWDE GPYYQTKRFD RYNAVIDQML EEGTAYKCYC SKERLEALRE EQMAKGEKPR YDGRCSRHSHE HHADDEPCVV RFANPQEGSV VFDDQIRGPI EFSNQELDDL IIRRTDGSPT YNFCVVVDDW DMEITHVIRG EDHINNTPRQ INILKALKAP VPVYAHVSMI NGDDGKKLSK RHGAVSVMQY RDDGYLPEAL LNYLVRLGWS HGDQEIFTRE EMIKYFTLNA VSKSASAFNT DKLLWLNHHY INALPPEYVA THLQWHIEQE NIDTRNGPQL ADLVKLLGER CKTLKEMAQS CRYFYEDFAE FDADAACKHL RPVARQPLEV VRDKLTAITD WTAENVHHAI QATADELEVG MGKVGMPLRV AVTGAGQSPA LDVTVHAIGK TRSIERINKA LAFIAERENQ H
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	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.