



Recombinant Burkholderia mallei Glutamate--tRNA ligase (gltX)

Product Code	CSB-EP737142BNS-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.	Q62J82
Product Type	Recombinant Protein
Immunogen Species	Burkholderia mallei (strain ATCC 23344)
Purity	≥85% (SDS-PAGE)
Sequence	MTRPVTRTFA PSPTGFIHLG NIRSALYPWA FARKMKGTFFV LRIEDTDLER STEASVDAIL EGMWLGLDY DEGYYQMQR MDRYREVLAQ MLEKDLVYPC YMSTEELDAL RERQRAAGEK PRYDGTWRPE PGKVLPEPPA GVTPVLRFRN PLTGSVWDD AVKGRVEISN EELDDLVIAR PDGTPTYNFC VVDDLDLMDGI THVIRGDDHV NNTPRQINIL RALGGEVPVY AHLPTVLNEQ GEKMSKRHGA MSVMGYRDAG YLPEAVLNYL ARLGWSHGDA EIFSREQFVE WFDLEHLGKS PAQYDHNKLN WLNHHYIKEA DDARLAELAK PFFAALGIDA DTIARGPDLV GVMGLMKDRA STVKEIAENS TMFYRSPAPD AQALAQHVTD AVRPALAEFA AALKTAEWTK EAIAAALKAV LGAHKLKMPQ LAMPVRLVA GTTHTPSIDA VLLLFGRDVV VSRLAAALA
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	1-469
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.