



Recombinant Anaplasma marginale Glutamate--tRNA ligase 1 (gltX1)

Product Code	CSB-EP725036AAAC-B
Abbreviation	gltX1
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.	Q5PBW1
Product Type	Recombinant Protein
Immunogen Species	Anaplasma marginale (strain St. Maries)
Purity	≥85% (SDS-PAGE)
Sequence	MITRFAPSPT GYMHIGNART ALICWLYARS RSGKLLLRID DTDLERSENRYVEGIKNDLT WLAMDWDICF NQRSRISRYD EVFNSLMDAG AVYPCYETPEELELKRRKMMML KMGLPPIYDR SALNMTEQDQ KAYSGRKPYF RLKIGRDQAI SWEDEIRGKV VFQAKNISDP ILRRTDGSYT YMFPSTVDDI DFEVTHIVRG EDHVSNTAVQ IYIMGLLGAK IPSFAHLPLL RMGGSKMSKR VGGTEIFKMR DMNLEPMAIN SYMARIGTSL PVEPHTNMRS LVDSFDIKLF NQAPIKFELE DISKLNVRLL QKLPFAEVQD RLEACGIKCS EGFYAVRDN INVISEVKGW AEICGPGVTP VVDDVNRQLL QLASDLLPEG EPNDGTWKTW LQKIKECSGC ETRDILLPLR LALTGVPKGP EFAKLLPLIG RVEILRRLRG A
Source	E.coli
Target Names	gltX1
Protein Names	Recommended name: Glutamate--tRNA ligase 1 EC= 6.1.1.17 Alternative name(s): Glutamyl-tRNA synthetase 1 Short name= GluRS 1
Expression Region	1-441
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.