



Recombinant Anaplasma marginale Cysteine--tRNA ligase (cysS)

Product Code	CSB-EP715810AAAC
Abbreviation	cysS
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.	Q5PB14
Product Type	Recombinant Protein
Immunogen Species	Anaplasma marginale (strain St. Maries)
Purity	≥85% (SDS-PAGE)
Sequence	MRLHDTLHAA KRVFSPKNSE RVGVYVCGPT VYDLAHIGNA RSVVYDVLF RLLKALYPEV IYVRNITDVD DKIINATESE NKSIAELTAH YTKLFHEDIE ALNCLSPTFE PRATEEIIETM LHIIGRLIQA GHAYVRGGTV YFSVESYKHY GALSGRKLGD MISGSRVEVV AEKLHPGDFV LWKPATDLDM KLGACWPSPW GVGRPGWHVE CSAMSYRYLG DSFDIHGGGA DLMFPHHENE ISQSCCAFPG SEYARYWVHN GFLTNGGGEK MSKSLGNVIT VRGLLSNGVD GEVIRYVFLS THYRKPLDWG DKAVLDAKEA LNKIYRSCEG FSAQLLSTGL EDVGVHDAVM ASLRDDMNTP AAIAALHELV KEINKTNNAG EKLRLARVLN KSAMLMGMFR NFPERKLLDM RGLVDEGEIN RLIEKRVEAK KCGDFKLADE IRESLSNMGI GISDGKDGST RWHRKN
Source	E.coli
Target Names	cysS
Protein Names	Recommended name: Cysteine--tRNA ligase EC= 6.1.1.16 Alternative name(s): Cysteinyl-tRNA synthetase Short name= CysRS
Expression Region	1-466
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.