



Recombinant Prochlorococcus marinus Cysteine--tRNA ligase (cysS)

Product Code	CSB-EP763437EYP
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.	Q7VB63
Product Type	Recombinant Protein
Immunogen Species	Prochlorococcus marinus (strain SARG / CCMP1375 / SS120)
Purity	≥85% (SDS-PAGE)
Sequence	MPLKLTNTLT RRTETFSSLK PGEVSIYCCG VTVYDLCHLG HARSYIVWDV LRRYFIAQGY KVKFVQNFTD IDDKILARAS KENCTMNEVS ERNIEEFHRD MDALGILRPD RMPRATRCLE EIKSMIEELE KKGAAYS AEG DVYFAVMKHA NYGKLSKRDL SEQQLNADGR VTDKEEARKQ NPFDFALWKA AKEGEQSFPS PWGAGRPGWH IECSAMVLQE LGETIDIHLG GADLIFPHE NEIAQSEVAN GKKLAKYWLH NGMVNVGGQK MSKSLGNFTT IRALLKEGIS AMTLRLFILQ AHYRKPLDFT KESLDAASTG WKRLNVILCL GLMKHQLTNW PKPNIQESKI TSLSKHSLNE TLNLSRQQFI DALNNDINTS VAISILFELA RPLRSLSNQI ENGSSSELISE SDKHTSYSRW LLLTELANVL GLQAELPKTR TSKQSQNLDE VLIREAIQER KDAKLSG DFA KADKIREELN LKGVQLIDKK DGVTEWIIQS
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	1-499
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.