



Recombinant Escherichia coli Cysteine--tRNA ligase (cysS)

Product Code	CSB-EP512609ENU
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.	C4ZUX4
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12 / MC4100 / BW2952)
Purity	>85% (SDS-PAGE)
Sequence	MLKIFNTLTR QKEEFKPIHA GEVGMVCGI TVYDLCHIGH GRTFVAFDVV ARYLRFLGYK LKYVRNITDI DDKIIKRANE NGESFVAMVD RMIAEMHKDF DALNILRPDM EPRATHHIAE IIELTEQLIA KGHAYVADNG DVMFDVPTDP TYGVLSRQDL DQLQAGARVD VVDDKRNPMDFVLWKMSKEG EPSWSPWGA GRPGWHIECS AMNCKQLGNH FDIHGGGSDL MFPHHENEIA QSTCAHDGQY VNYWMHSGMV MVDREKMSKS LGNFFTVRDV LKYYDAETVR YFLMSGHYRS QLNyseenlk QARAALERLY TALRGTDKTV APAGGEAFEA RFIEAMDDDF NTPEAYSVLF DMAREVNRLK AEDMAAANAM ASHLRKL SAV LGLLEQEPEA FLQSGAQADD SEVAEIEALI QQRLDARKAK DWAAADAARD RLNEMGIVLE DGPQGTWRR K
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	1-461
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.