



# Recombinant Human Cysteine--tRNA ligase, cytoplasmic (CARS1)

<b>Product Code</b>	CSB-MP004529HU
<b>Storage</b>	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.
<b>Uniprot No.</b>	P49589
<b>Storage Buffer</b>	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ADSSGQQGK GRRVQPQWSP PAGTQPCRLH LYNSLTRNKE VFIPQDGKKV TWYCCGPTVY DASHMGHARS YISFDILRRV LKDYFKFDVF YCMNITDIDD KIIKRARQNH LFEQYREKRP EAAQLLEDVQ AALKPFSVKL NETTDPDKKQ MLERIQHAVQ LATEPLEKAV QSRLTGEEVN SCVEVLLEEA KDLLSDWLDS TLGCDVTDNS IFSKLPKFEW GDFHRDMEAL NVLPPDVLTR VSEYVPEIVN FVQKIVDNGY GYVSNQSVYF DTAKFASSEK HSYGKLVPEA VGDQKALQEG EGDLSISADR LSEKRSPNDF ALWKASKPGE PSWPCPWGKG RPGWHIECSA MAGTLLGASM DIHGGGFDLR FPHHDNELAQ SEAYFENDCW VRYFLHTGHL TIAGCKMSKS LKNFITIKDA LKKHSARQLR LAFLMHSWKD TLDYSSNTME SALQYEKFLN EFFLNVDIL RAPVDITGQF EKWGEEEAEL NKNFYDKKTA IHKALCDNVD TRTVMEEMRA LVSQCPLYMA ARKAVRKRPN QALLENIALY LTHMLKIFGA VEEDSSLGFP VGGPGTSLSL EATVMPYLQV LSEFREGVRK IAREQKVPEI LQLSDALRDN ILPELGVRFE DHEGLPTVVK LVDRNTLLKE REEKRRVEEE KRKKKEEAAR RKQEQEAACL AKMKIPPSEM FLSETDKYSK FDENGLPTHM MEGKELSKGQ AKKLKLF EA QEKLYKEYLQ MAQNGSFQ
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CARS1
<b>Protein Names</b>	Recommended name: Cysteine--tRNA ligase, cytoplasmic EC=6.1.1.16 Alternative name(s): Cysteinyl-tRNA synthetase Short name= CysRS
<b>Expression Region</b>	2-748
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	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.