Recombinant Human Arginine--tRNA ligase, cytoplasmic (RARS)

Product Code	CSB-EP019344HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P54136
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MDVLVSECSA RLLQQEEEIK SLTAEIDRLK NCGCLGASPN LEQLQEENLK LKYRLNILRK SLQAERNKPT KNMINIISRL QEVFGHAIKA AYPDLENPPL LVTPSQQAKF GDYQCNSAMG ISQMLKTKEQ KVNPREIAEN ITKHLPDNEC IEKVEIAGPG FINVHLRKDF VSEQLTSLLV NGVQLPALGE NKKVIVDFSS PNIAKEMHVG HLRSTIIGES ISRLFEFAGY DVLRLNHVGD WGTQFGMLIA HLQDKFPDYL TVSPPIGDLQ VFYKESKKRF DTEEEFKKRA YQCVVLLQGK NPDITKAWKL ICDVSRQELN KIYDALDVSL IERGESFYQD RMNDIVKEFE DRGFVQVDDG RKIVFVPGCS IPLTIVKSDG GYTYDTSDLA AIKQRLFEEK ADMIIYVVDN GQSVHFQTIF AAAQMIGWYD PKVTRVFHAG FGVVLGEDKK KFKTRSGETV RLMDLLGEGL KRSMDKLKEK ERDKVLTAEE LNAAQTSVAY GCIKYADLSH NRLNDYIFSF DKMLDDRGNT AAYLLYAFTR IRSIARLANI DEEMLQKAAR ETKILLDHEK EWKLGRCILR FPEILQKILD DLFLHTLCDY IYELATAFTE FYDSCYCVEK DRQTGKILKV NMWRMLLCEA VAAVMAKGFD ILGIKPVQRM
Source	E.coli
Target Names	RARS
Protein Names	Recommended name: Arginine--tRNA ligase, cytoplasmic EC= 6.1.1.19 Alternative name(s): Arginyl-tRNA synthetase Short name= ArgRS
Expression Region	1-660
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
Target Details	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Arginyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family.
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.