Recombinant Human Threonine--tRNA ligase, cytoplasmic (TARS)

Product Code	CSB-YP023131HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P26639
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MFEEKASSPS GKMGGEEKPI GAGEEKQKEG GKKKNKEGSG DGGRAELNPW PEYIYTRLEM YNILKAEHDS ILAEKAEKDS KPIKVTLPDG KQVDAESWKT TPYQIACGIS QGLADNTVIA KVNNVVWDLD RPLEEDCTLE LLKFEDEEAQ AVYWHSSAHI MGEAMERVYG GCLCYGPPIE NGFYYDMYLE EGGVSSNDFS SLEALCKKII KEKQAFERLE VKKETLLAMF KYNKFKCRIL NEKVNTPTTT VYRCGPLIDL CRGPHVRHTG KIKALKIHKN SSTYWEGKAD METLQRIYGI SFPDPKMLKE WEKFQEEAKN RDHRKIGRDQ ELYFFHELSP GSCFFLPKGA YIYNALIEFI RSEYRKRGFQ EVVTPNIFNS RLWMTSGHWQ HYSENMFSFE VEKELFALKP MNCPGHCLMF DHRPRSWREL PLRLADFGVL HRNELSGALT GLTRVRRFQQ DDAHIFCAME QIEDEIKGCL DFLRTVYSVF GFSFKLNLST RPEKFLGDIE VWDQAEKQLE NSLNEFGEKW ELNSGDGAFY GPKIDIQIKD AIGRYHQCAT IQLDFQLPIR FNLTYVSHDG DDKKRPVIVH RAILGSVERM IAILTENYGG KWPFWLSPRQ VMVVPVGPTC DEYAQKVRQQ FHDAKFMADI DLDPGCTLNK KIRNAQLAQY NFILVVGEKE KISGTVNIRT RDNKVHGERT ISETIERLQQ LKEFRSKQAE EEF
Source	Yeast
Target Names	TARS
Protein Names	Recommended name: Threonine--tRNA ligase, cytoplasmic EC= 6.1.1.3 Alternative name(s): Threonyl-tRNA synthetase Short name= ThrRS
Expression Region	1-723
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. Threonyl-tRNA synthetase belongs to the class-II 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.