



# Recombinant Human Arginyl-tRNA--protein transferase 1 (ATE1)

<b>Product Code</b>	CSB-EP002268HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O95260
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MAFWAGGSPS VVDYFPSEDF YRCGYCKNES GSRNNGMWAH SMTVQDYQDL IDRGWRRSGK YVYKPVMNQT CCPQYTIRCR PLQFQPSKSH KKVLKMLKF LAKGEVPKGS CEDEPMDSTM DDAVAGDFAL INKLDIQCDL KTLSDDIKES LESEGKNSKK EEPQELLQSQ DFGVGEKLGSG EPSHSVHVHT VPKPGKGADL SKPPCRKAKE IRKERKRLKL MQQNPAGELE GFQAQGHPPS LFPPKAASNQ PKSLEDLIFE SLPENASHKL EVRVVRSPP SSQFKATLLE SYQVYKRYQM VIHKNPPDTP TESQFTRFLC SSPLEAETPP NGPDCGYGSF HQQYWLDGKI IAVGVIDILP NCVSSVYLYY DPDYSFSLSLG VYSALREIAF TRQLHEKTSQ LSYYYMGFYI HSCPMMKYKG QYRPSDLLCP ETYVWVPIEQ CLPSLENSKY CRFNQDPEAV DEDRSTEPDR LQVFHKRAIM PYGVYKKQKQK DPSEEAVALQ YASLVGQKCS ERMLLFRN
<b>Source</b>	E.coli
<b>Target Names</b>	ATE1
<b>Protein Names</b>	Recommended name: Arginyl-tRNA--protein transferase 1 Short name= Arginyltransferase 1 Short name= R-transferase 1 EC= 2.3.2.8 Alternative name(s): Arginine-tRNA--protein transferase 1
<b>Expression Region</b>	1-518
<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 protein
<b>Target Details</b>	This gene encodes an arginyltransferase, an enzyme that is involved in posttranslational conjugation of arginine to N-terminal aspartate or glutamate residues. Conjugation of arginine to the N-terminal aspartate or glutamate targets proteins for ubiquitin-dependent degradation. Alternative splicing results in two transcript variants encoding distinct isoforms.
<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  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . The shelf life of lyophilized form is 12 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ .