



# Recombinant Human tRNA-specific adenosine deaminase 1 (ADAT1)

<b>Product Code</b>	CSB-BP863123HU
<b>Abbreviation</b>	ADAT1
<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>	Q9BUB4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MWTADEIAQL CYEHYGIRLP KKGKPEPNHE WTLAAVVKI QSPADKACDT PDKPVQVTKE VVSMGTGTKC IGQSKMRKNG DILNDSHAEV IARRSFQRYL LHQLQLAATL KEDSIFVPGT QKGVWKLRRD LIFVFFSSTH PCGDASIIPM LEFEDQPCCP VFRNWAHNSV VEASSNLEAP GNERKCEDPD SPVTKKMRLE PGTAAREVTN GAAHHQSFGK QKSGPISPGI HSCDLTVEGL ATVTRIAPGS AKVIDVYRTG AKCVPGEAGD SGKPGAAFHQ VGLLRVKPGR GDRTRSMSCS DKMARWNVLG CQGALLMHLL EEPIYLSAVV IGKCPYSQEA MQRALIGRCQ NVSALPKGFG VQELKILQSD LLFEQSRSAV QAKRADSPGR LVPCGAAISW SAVPEQPLDV TANGFPQGTT KKTIGSLQAR SQISKVELFR SFQKLLSRIA RDKWPHSLRV QKLDTYQEYK EAASSYQEAW STLRKQVFGS WIRNPPDYHQ FK
<b>Source</b>	Baculovirus
<b>Target Names</b>	ADAT1
<b>Protein Names</b>	Recommended name: tRNA-specific adenosine deaminase 1 Short name= hADAT1 EC= 3.5.4.- Alternative name(s): tRNA-specific adenosine-37 deaminase
<b>Expression Region</b>	1-502
<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 is a member of the ADAR (adenosine deaminase acting on RNA) family. Using site-specific adenosine modification, proteins encoded by these genes participate in the pre-mRNA editing of nuclear transcripts. This protein, tRNA-specific adenosine deaminase 1, is responsible for the deamination of adenosine 37 to inosine in eukaryotic tRNA.

**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.