

# Recombinant Full Length Human ADAT1 Protein, GST-tagged

Cat. No. ADAT1-899HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human ADAT1 full-length ORF ( AAH02758.1, 1 a.a. - 502 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	502 amino acids
<b>Description</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. The protein encoded by this gene, tRNA-specific adenosine deaminase 1, is responsible for the deamination of adenosine 37 to inosine in eukaryotic tRNA. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2010]
<b>Molecular Mass</b>	81.8 kDa
<b>AA Sequence</b>	MWTADEIAQL CYEHYGIRLP KKGKPEPNHE WTLAAVVKI QSPADKACDT PDKPVQVTKE VVSMGTGTKC IGQSKMRKNG DILNDSHAEV IARRSFQRYL LHQLQLAATL KEDSIFVPGT QKGVWKLRRD LIFVFFSST PCGDASIIPM LEFEDQPCCP VFRNWAHNSS VEASSNLEAP GNERKCEDPD SPVTKKMRLE PGTAAREVTN GAAHHQSFGK QKSGPISPGI HSCDLTVEGL ATVTRIAPGS AKVIDVYRTG AKCVPGEAGD SGKPGA AFHQ VGLLRVKPGR GDRTRSMSCS DKMARWNVLG CQGALLMHLL EEPIYLSAVV IGKCPYSQEA MQRALIGRCQ

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NVSALPKGFG VQELKILQSD LLFEQSRSAV QAKRADSPGR LVPCGAAISW  
 SAVPEQPLDV TANGFPQGTT KKTIGSLQAR SQISKVELFR SFQKLLSRIA  
 RDKWPHSLRV QKLDTYQEYK EAASSYQEAW STLRKQVFGS WIRNPPDYHQ FK

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	ADAT1 adenosine deaminase, tRNA-specific 1 [ Homo sapiens ]
<b>Official Symbol</b>	ADAT1
<b>Synonyms</b>	ADAT1; adenosine deaminase, tRNA-specific 1; tRNA-specific adenosine deaminase 1; adenosine deaminase acting on tRNA; tRNA-specific adenosine-37 deaminase; HADAT1
<b>Gene ID</b>	23536
<b>mRNA Refseq</b>	NM_012091
<b>Protein Refseq</b>	NP_036223
<b>MIM</b>	604230



UniProt ID

Q9BUB4

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