

## Recombinant Human ADAT1 Protein, GST-tagged

Cat. No. ADAT1-317H 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>	Wheat Germ
<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>	MWTADEIAQLCYEHYGIRLPKKGKPEPNHEWTLAAVVKIQSPADKACDTPDKPVQ VTKEVSMGTGTKCIGQSKMRKNGDILNDSHAEVIARRSFQRYLLHQLQLAATLKED SIFVPGTQKGVWKLRRDLIFVFFSHTPCGDASIIPMLEFEDQPCCPVFRNWAHNSS VEASSNLEAPGNERKCEDPDSVTKKMRLEPGTAAREVTNGAAHHQSFGKQKSGP ISPGIHSCDLTVEGLATVTRIAPGSAKVIDVYRTGAKCVPGEAGDSGKPGAAFHQVG LLRVKPGRGDRTRSMSCSDKMARWNVLGCQGALLMHLLEPIYLSAVVIGKCPYSQ EAMQRALIGRCQNVSALPKGFGVQELKILQSDLLFEQSRSAVQAKRADSPGRLVPC GAAISWSAVPEQPLDVTANGFPQGTTKKTIGSLQARSQISKVELFRSFQKLLSRIARD

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KWPHSLRVQKLDTYQEYKEAASSYQEAWSTLRKQVFGSWIRNPPDYHQFK

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

[ADAT1 adenosine deaminase, tRNA-specific 1 \[ Homo sapiens \]](#)

**Official Symbol**

[ADAT1](#)

**Synonyms**

ADAT1; adenosine deaminase, tRNA-specific 1; tRNA-specific adenosine deaminase 1; adenosine deaminase acting on tRNA; tRNA-specific adenosine-37 deaminase; HADAT1;

**Gene ID**

[23536](#)

**mRNA Refseq**

[NM\\_012091](#)

**Protein Refseq**

[NP\\_036223](#)

**MIM**

[604230](#)

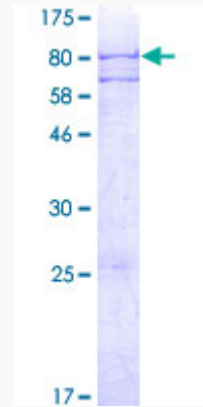
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UniProt ID

Q9BUB4



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