

Recombinant Human ADAT1 Protein, GST-tagged

Cat. No. ADAT1-317H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADAT1 full-length ORF (AAH02758.1, 1 a.a. - 502 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	81.8 kDa
AA Sequence	MWTADEIAQLCYEHYGIRLPKKGKPEPNHEWTLLAAVVKIQSPADKACDTPDKPVQ VTKEVSMGTGTCIGQSKMRKNGDILNDSHAEVIARRSFQRYLLHQLQLAATLKED SIFVPGTQKGVWKLRRDLIFVFFSSHTPCGDASIIPMLEFEDQPCCPVFRNWAHNSS VEASSNLEAPGNERKCEDPDSPVTKKMRLEPGTAAREVTNGAAHHQSFGKQKSGP ISPGIHSCDLTVEGLATVTRIAPGS AKVIDVYRTGAKCVPGEAGDSGKPGAAAFHQVG LLRVKPGRGDRTRSMSCDKMARWNVLGCQGALLMHLLEPIYLSAVVIGKCPYSQ EAMQRALIGRCQNVSALPKGFGVQELKILQSDLLFEQSRSAVQAKRADSPGRLVPC GAAISWSAVPEQPLDVTANGFPQGTTKKTIGSLQARSQISKVELFRSFQKLLSRIARD

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KWPHSLRVQKLDITYQEYKEAASSYQEAWSTLRKQVFGSWIRNPPDYHQFK

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](#)

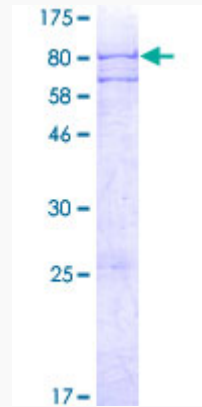
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UniProt ID

Q9BUB4



12.5% SDS-PAGE Stained with Coomassie Blue.

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