

## Recombinant Human ADAT3 Protein, GST-tagged

Cat. No. ADAT3-318H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ADAT3 full-length ORF ( NP_612431.1, 1 a.a. - 351 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	This gene encodes a subunit of a tRNA-specific adenosine deaminase. This heterodimeric enzyme converts adenosine to inosine in the tRNA anticodon. A mutation in this gene causes a syndrome characterized by intellectual disability and strabismus. This gene shares its 5' exon with the overlapping gene, secretory carrier membrane protein 4 (Gene ID: 113178). [provided by RefSeq, Jul 2016]
<b>Molecular Mass</b>	64.5 kDa
<b>AA Sequence</b>	MEPAPGLVEQPKCLEAGSPEPEPAPWQALPVLSEKQSGDVELVLAYAAPVLDKRQT SRLLEKVSALHPLPAQPHLKRVRPSRDAGSPHALEMLLCLAGPASGPRSLAELLPRP AVDPRGLGQPFLVPVPARPLTRGQFEEARAHWPTSFHEDKQVTSALAGRLFSTQE RAAMQSHMERAVWAARRAAARGLRAVGAVVVDPASDRVLATGHDCSCADNPLLH AVMVCVDLVARGQGRGTYDFRPFACSFAPAAAPQAVRAGAVRKLDADEDGLPYL CTGYDLYVTREPCAMCAMLVHARILRVFYGAPSPDGALGTRFRIHARPDNLNHRFQ VFRGVLEEQCRWLDPDT
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	ADAT3 adenosine deaminase, tRNA-specific 3 [ Homo sapiens ]
<b>Official Symbol</b>	ADAT3
<b>Synonyms</b>	ADAT3; adenosine deaminase, tRNA-specific 3; adenosine deaminase, tRNA specific 3, TAD3 homolog (S. cerevisiae); tRNA-specific adenosine deaminase-like protein 3; TAD3; tRNA specific adenosine deaminase 3 homolog (S. cerevisiae); tRNA-specific adenosine deaminase 3 homolog; adenosine deaminase, tRNA-specific 3, TAD3 homolog; tRNA-specific adenosine-34 deaminase subunit ADAT3; FWP005; MST121; S863-5; MSTP121;
<b>Gene ID</b>	113179
<b>mRNA Refseq</b>	NM_138422
<b>Protein Refseq</b>	NP_612431
<b>UniProt ID</b>	Q96EY9

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