

# Recombinant Full Length Human ADAT3 Protein, GST-tagged

Cat. No. ADAT3-900HF    Lot. No. (See product label)

## SPECIFICATION

**Product Overview**      Human ADAT3 full-length ORF ( NP\_612431.1, 1 a.a. - 351 a.a.) recombinant protein with GST-tag at N-terminal.

**Species**                      Human

**Source**                        In Vitro Cell Free System

**ProteinLength**              351 amino acids

**Description**                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]

**Molecular Mass**            64.5 kDa

**AA Sequence**

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MEPAPGLVEQ PKCLEAGSPE PEPAPWQALP VLSEKQSGDV ELVLAYAAPV
LDKRQTSRLL KEVSALHPLP AQPHLKRVRP SRDAGSPHAL EMLLCLAGPA
SGPRSLAELL PRPAVDPRGL GQPFLVPVPA RPPLTRGQFE EARAHWPTSF
HEDKQVTSAL AGRLFSTQER AAMQSHMERA VWAARRAAAR GLRAVGAVVV
DPASDRVLAT GHDCSCADNP LLHAVMVCVD LVARGQGRGT YDFRPFPA CS
FAPAAAPQAV RAGAVRKLDA DEDGLPYLCT GYDLYVTREP CAMCAMALVH
ARILRVFYGA PSPDGALGTR FRIHARPD LN HRFQVFRGVL EEQCRWLDPD T
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<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.
<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>MIM</b>	615302
<b>UniProt ID</b>	Q96EY9

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