

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	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 FAPAAAPQAV RAGAVRKLDA DEDGLPYLCT GYDLYVTREP CAMCAMLVH ARILRVFYGA PSPDGALGTR FRIHARPD LN HRFQVFRGVL EEQCRWLDPD T

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
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	ADAT3 adenosine deaminase, tRNA-specific 3 [Homo sapiens]
Official Symbol	ADAT3
Synonyms	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
Gene ID	113179
mRNA Refseq	NM_138422
Protein Refseq	NP_612431
MIM	615302
UniProt ID	Q96EY9

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