

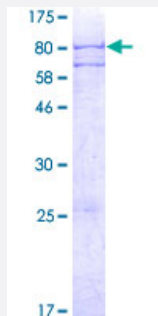
Full-Length

ADAT1 (Human) Recombinant Protein (P01)

Catalog # H00023536-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ADAT1 full-length ORF (AAH02758.1, 1 a.a. - 502 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MWTADEIAQLCYEHYGIRLPKKKGKPEPNHEWTLLAAVVKIQSPADKACDTPDKPVQVTKEVVSM
GTGTCIGQSKMRKNGDILNDSHAEVIARRSFQRYLLHQLQLAATLKEDSIFVPGTQKGVWKLRRD
LIFVFFSSHTPCGDASIIPMLEFEDQCCPVFRNWAHNSSVEASSNLEAPGNERKCEDPDSPVT
KKMRLEPGTAAREVTNGAAHHQSFGKQKSGPISPGIHSCDLTVEGLATVTRIAPGSAKVIDVYRTG
AKCVPGEAGDSGKPGAFAHQVGLLRVKPGRGDRTRSMSCSDKMARWNVLGCGALLMHLLEE
PIYLSAVVIGKCPYSQEAMQRALIGRCQNVSALPKGFGVQELKILQSDLLFEQSRSAVQAKRADSP
GRLVPCGAAISWSAVPEQPLDVTANGFPQGTTKKTIGSLQARSQISKVELFRSFQKLLSRIARDKW
PHSLRVQKLDTYQEYKEAASSYQEAWSLTKQVFGSWIRNPPDYHQFK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

81.8

Interspecies Antigen Sequence

Mouse (77); Rat (77)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ADAT1

Entrez GeneID	23536
GeneBank Accession#	BC002758.2
Protein Accession#	AAH02758.1
Gene Name	ADAT1
Gene Alias	HADAT1
Gene Description	adenosine deaminase, tRNA-specific 1
Omim ID	604230
Gene Ontology	Hyperlink

Gene Summary	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. [provided by RefSeq]
Other Designations	adenosine deaminase acting on tRNA

Disease

- [Genetic Predisposition to Disease](#)