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ADAT1 Human

Catalog #:ENPS-314

For research use only.

Description: Adenosine Deaminase tRNA-Specific 1 Human Recombinant produced in E.Coli is a non-glycosylated, polypeptide chain containing amino acids 1-502 and having a total molecular mass of 57.7 kda. ADAT-1 contains T7 tag at N-terminus. ADAT1 is purified by proprietary chromatographic techniques.

Synonyms:tRNA-specific adenosine deaminase 1, hADAT1, tRNA-specific adenosine- 37 deaminase, ADAT1, ADAT-1.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
Adenosine Deaminase tRNA-Specific-1 at 0.1mg/ml, 10mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN3.

Stability:
ADAT-1 althoμgh stable at 4°C for 1 week, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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.

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