



Product Datasheet

Product Name	Adenosine Deaminase tRNA-Specific 1 Human Recombinant
Cata No	CB500484
Source	<i>Escherichia Coli.</i>
Synonyms	tRNA-specific adenosine deaminase 1, hADAT1, tRNA-specific adenosine- 37 deaminase, ADAT1, ADAT-1.

Description

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. 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.

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 although 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.

Applications

- ELISA
- MS
- Inhibition Assays
- Western Blotting