



Product Data Sheet

□ Cat # RP-393 Recombinant Human Adenosine Deaminase tRNA-Specific 1 **Size:** □ 2 ug

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.

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

Applications and Suggested Dilutions: Greater than 95.0% as determined by SDS-PAGE. • ELISA • MS • Inhibition Assays • Western Blotting Users must optimize the appropriate concentration and conditions for each assay.

Storage and Stability: ADAT-1 although stable at 14°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.** If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.

Usage: This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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