

## ADAT1 Recombinant Protein

**CATALOG NO.:** XW-RP3005

**BACKGROUND:**

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. **FUNCTION:** This protein 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:** E. coli

**PURITY:** 95%

**BUFFER:** 10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN<sub>3</sub>

**FUSION PARTNER:** T7 tag at N-terminus

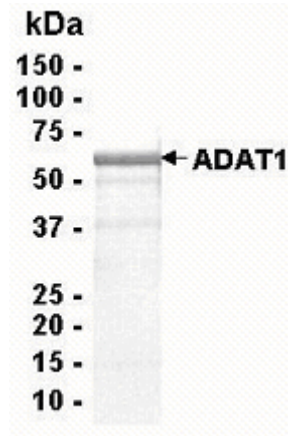
**DOMAIN:** aa. 1-502

**MOLECULAR WEIGHT:** 57.7 kDa (Calculated)

**PROTEIN GI #:** 6912230

**PROTEIN ACCESSION #:** NP\_036223

**TESTED APPLICATION:** WB,E,MS



**SDS PAGE:** Analysis of ADAT1 Recombinant Protein. 4-20% SDS gradient gel. Coomassie blue staining.

**STORAGE:** Store at -70°C. As with any protein, exposing ADAT1 recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

During shipment, small volumes of ADAT1 recombinant protein will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap. **For research use only.**