

## ADAT2 Human

**Description:** Recombinant Human ADAT2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 211 amino acids (1-191 a.a) and having a molecular mass of 23.2 kDa. ADAT2 is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-568

For research use only.

**Synonyms:** DEADC1, TAD2.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MEAKAAPKPA ASGACSVSAE  
ETEKWMEEM HMAKEALENT EVPVGCLMVY NNEVVGKGRN EVNQTKNATR HAEMVAIDQV  
LDWCRQSGKS PSEVFHTVL YVTVEPCIMC AAALRLMKIP LVVYGCQNER FGCGSVLNI  
ASADLPNTGR PFQCIPGYRA EEAVEMLKTF YKQENPNAPK SKVRKKECQK S.

**Purity:** Greater than 90% as determined by Analysis by SDS-PAGE.

**Formulation:**

The ADAT2 (0.5mg/ml) protein contains 20mM Tris-HCl buffer pH-8, 2mM DTT, 50mM NaCl and 10% glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Adenosine Deaminase (ADA), also recognized as ADAT2 is an enzyme that takes part in purine metabolism. ADAT2 is necessary for the breakdown of adenosine from food and for the turnover of nucleic acids in tissues. ADAT2 is involved in the deamination of adenosine-34 to inosine in numerous tRNAs. ADAT2 is part of the cytidine and deoxycytidylate deaminase protein family, ADAT2 employs zinc as a cofactor. ADAT2 is a 191 amino acid enzyme that exists as two isoforms formed by alternative splicing events.

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