

**ADAT2, 1-191aa, Human, His tag, E.coli**

**Cat.NO.: TP01059**

3th Edition

**Synonyms:**tRNA-specific adenosine deaminase 2; DEADC1; TAD2.

**Description:**Adenosine deaminase (ADA), also known as ADAT2 is an enzyme involved in purine metabolism. It is needed for the breakdown of adenosine from food and for the turnover of nucleic acids in tissues. Also, ADAT2 is thought to participate in the deamination of adenosine-34 to inosine in many tRNAs.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 50mM NaCl

**Molecular Weight:**23.2kDa (211aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMEAKAAPKPAASGACSVSAEETEKWMEEAMHMAKEALENTEVPVGCLMVYNNE  
VVGKGRNEVNQTKNATRHAEMVAIDQVLDWCRQSGKSPSEVFETVLYVTVEPCIMCAAALRLMKIPLVYGCQN  
ERFGGCGSVLNIAADLPNTGRPFQCIPIGYRAEEAVEMLKTFYKQENPNAPKSKVRKKECQKS

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.