

Adenosine Deaminase, tRNA-specific 2 Recombinant Protein | ADAT2 recombinant protein

Recombinant Human Adenosine Deaminase, tRNA-specific 2

CATALOG # AAA38847	HOST E Coli
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PRODUCT SYNONYMS

Adenosine Deaminase; tRNA-specific 2; Recombinant Human Adenosine Deaminase; ADAT2 Human; tRNA-specific 2 Human Recombinant; DEADC1; TAD2; ADAT2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by Analysis by SDS-PAGE.
Form/Format	The ADAT2 (0.5mg/ml) protein contains 20mM Tris-HCl buffer pH-8, 2mM DTT, 50mM NaCl and 10% glycerol. Sterile filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMEA KAAPKPAASG ACSVSAEETE KWMEEMHMA KEALENTEVP VGCLMVYNN E VVGKGRNEVN QTKNATR&nb sp;HAEMVAI DQVLDWCRQS GKSPSEVFEH TVLYVTVEPC IMCAAALRLM KIPLVVGCGQ NERFGGCGSV LNIASADLPN TGRPFQCIPG YRA E EAVEMLKTFY KQENPNAPKS KVRKKECQKS
Sequence Length	144
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree 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.

ADDITIONAL INFORMATION

Related Product Information for ADAT2 recombinant protein	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. 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.
Product Categories/Family for ADAT2 recombinant protein	Enzymes; Deaminase

NCBI AND UNIPROT INFORMATION

NCBI GI #	555943775
NCBI GeneID	134637
NCBI Accession #	NP_001273188.1
NCBI GenBank Nucleotide #	NM_001286259.1
UniProt Accession #	Q7Z6V5; Q7Z327; Q8IY39; A6NL12; B3KWY3
Molecular Weight	16,100 Da

NCBI Official Full Name	tRNA-specific adenosine deaminase 2 isoform b
NCBI Official Synonym Full Names	adenosine deaminase, tRNA-specific 2
NCBI Official Symbol	ADAT2
NCBI Official Synonym Symbols	TAD2; DEADC1; dJ20N2; dJ20N2.1
NCBI Protein Information	tRNA-specific adenosine deaminase 2; adenosine deaminase, tRNA-specific 2, TAD2 homolog; deaminase domain containing 1; deaminase domain-containing protein 1; tRNA-specific adenosine deaminase 2 homolog; tRNA-specific adenosine-34 deaminase subunit ADAT2
UniProt Protein Name	tRNA-specific adenosine deaminase 2
UniProt Gene Name	ADAT2
UniProt Synonym Gene Names	DEADC1
UniProt Entry Name	ADAT2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/adat2-recombinant-protein-e-coli/38847>