

Product datasheet for **MC216993**

Adat1 (NM_013925) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adat1 (NM_013925) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adat1
Synonyms:	mADAT1; MMADAT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216993 representing NM_013925
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGACCGCGGATGAGATCGCTCAGCTGTGCTATGCACACTATAACGTCAGACTGCCCAAGCAGGGGA
 AGCCTGAGCCAAATCGTGAGTGGACCTTCTGGCAGCTGTGGTGAAGATTCAGGCTTCAGCTAACCAAGC
 TTGTGACATCCCTGAGAAGGAAGTGCAAGTGACAAGGAAGTTGTCTCAATGGGAACAGGAACAAAATGC
 ATAGGCCAGTCCAAGATGCGAGAGAGCGGGGACATCCTCAATGACAGCCATGCTGAGATCATAGCCAGAA
 GGAGTTTCCAGAGATACCTTCTCCATCAGCTCCATTTGGCAGCCGCTCTGAAAGAGGATAGCATCTTTGT
 TCCAGGGACCCAAAGAGGACTGTGGAGGCTCAGACCTGACCTGTCGTTTGTGTTTTCTAGCCACACA
 CCCTGTGGGGATGCCTCCATCATCCGATGCTCGAGTTTGAAGAACAGCCTTGCTGTCCTGTCATCAGAA
 GTTGGGCCAACAACTCACCTGTACAAGAGACTGAGAATCTAGAGGATTCTAAAGATAAAAGGAAGCTGTA
 AGATCCCAGTCCCTGTAGCCAAGAAGATGAGGCTGGGAACACCTGCCAGGTCCTCAATTGTGTA
 GCTCACCATGGGACCCAGGAAAGTGGTCCAGTCAAACCAGATGTCAGCAGCTCTGATCTCACCAAGGAGG
 AACCCAGATGCTGCCAATGGAATAGCTTCAGGTAGCTTCAGAGTGGTGGATGTGTACAGGACGGGAGCCAA
 GTGTGTTCTGGAGAAACTGGAGACTTGAGAGAGCCAGGTGCTGCCTACCACCAGGTGGGGCTACTTCGT
 GTAAAACCTGGCAGGGGAGACAGGACATGCTCCATGTCCTGCAGTGACAAGATGGCAAGGTGGAATGTCC
 TCGGATGCCAGGGCGCACTGCTGATGCACTTCTGGAGAAGCCTATCTACCTGTCAGCTGTGGTTCATCGG
 GAAGTGGCCGTACAGCCAGGAAGCCATGAGGAGAGCATTGACTGGCAGGTGTGAGGAAACCTTGGTTTTA
 CCCAGAGGCTTTGGAGTCAAGAACTGGAATACAGCAGTCGGGTTTACTGTTTGAACAGAGCCGCTGTG
 CGGTGCACAGGAAAAGAGGTGACAGTCCAGGCCGACTCGTCCCTGTGGGGCAGCTATCAGCTGGAGCGC
 TGTCCCTCAGCAGCCCTTGGATGTTACAGCCAATGGTTTTCCACAGGGAACAACAAAGAAAGAGATTGGA
 AGCCCTAGGGCCAGATCCCGAATCAGCAAGGTGGAACCTTTAGATCATTCCAGAAGCTGCTGAGCAGCA
 TTGCAGATGACGAGCAGCCAGACTCCATCAGGGTAACGAAGAAGCTGGACACCTATCAGGAGTACAAGGA
 TGCTGCGTCCGCCTACCAGGAAGCCTGGGGTGCCTCCGCAGGATACAGCCGTTTGCCTGATCAGAA
 AACCCACCCGACTACCACCAATTTAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_013925
- Insert Size:** 1500 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_013925.4](#), [NP_038953.1](#)

RefSeq Size: 3159 bp

RefSeq ORF: 1500 bp

Locus ID: 30947

UniProt ID: [Q9JHI2](#)

Cytogenetics: 8 E1

Gene Summary: Specifically deaminates adenosine-37 to inosine in tRNA-Ala.[UniProtKB/Swiss-Prot Function]