

## Product datasheet for **SC333908**

### ADAT2 (NM\_001286259) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADAT2 (NM_001286259) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAT2
Synonyms:	DEADC1; dj20N2; dj20N2.1; TAD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333908 representing NM_001286259. Blue=Insert sequence Red=Cloning site Green=Tag(s)

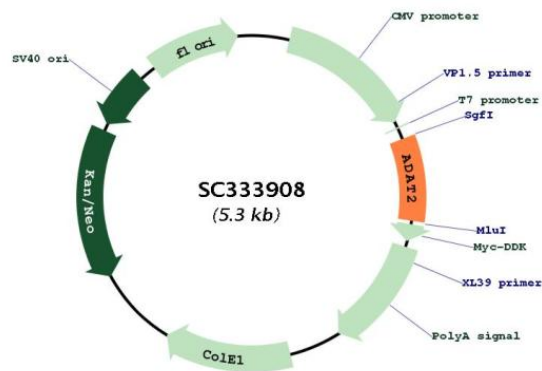
```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTCTACAACAATGAAGTTGTAGGGAAGGGGAGAAATGAAGTTAACCAAACAAAAATGCTACTCGA
CATGCAGAAATGGTGGCCATCGATCAGGTCCTCGATTGGTGTCTGCAAAGTGGCAAGAGTCCCTCTGAA
GTATTTGAACACACTGTGTTGTATGTCCTGTGGAGCCGTGCATTATGTGTGCAGCTGCTCTCCGCCTG
ATGAAAATCCCGCTGGTTGTATATGGCTGTCAGAATGAACGATTTGGTGGTTGTGGCTCTGTTCTAAAT
ATTGCCTCTGCTGACCTACCAAACACTGGGAGACCATTTCAAGTGTATCCCTGGATATCGGGCTGAGGAA
GCAGTGGAAATGTTAAAGACCTTCTACAACAAGAAAATCAAATGCACCAAATCGAAAGTTCCGAAA
AAGGAATGTCAGAAATCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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## Plasmid Map:



**ACCN:** NM\_001286259

**Insert Size:** 435 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\\_001286259.1](#)

RefSeq Size: 7368 bp

RefSeq ORF: 435 bp

Locus ID: 134637

UniProt ID: [Q7Z6V5](#)

Cytogenetics: 6q24.2

MW: 16.1 kDa

**Gene Summary:** Probably participates in deamination of adenosine-34 to inosine in many tRNAs.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) contains an alternate 5' exon, differs in the 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.