

Product datasheet for **RG212395**

ADAT2 (NM_182503) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ADAT2 (NM_182503) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ADAT2
Synonyms: DEADC1; dj20N2; dj20N2.1; TAD2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG212395 representing NM_182503
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGCGAAGGCGGCACCCAAGCCAGCTGCAAGCGGCGGTGCTCGGTGTCGGCAGAGGAGACCGAAA
 AGTGGATGGAGGAGGCGATGCACATGGCCAAAGAAGCCCTCGAAAATACTGAAGTTCCTGTTGGCTGTCT
 TATGGTCTACAACATGAAGTTGTAGGGAAGGGGAGAAATGAAGTTAACCAAACCAAAAAATGCTACTCGA
 CATGCAGAAATGGTGGCCATCGATCAGGTCCTCGATTGGTGTGTCGTAAGTGGCAAGAGTCCCTCTGAAG
 TATTTGAACACACTGTGTGTATGTCACGTGGAGCCGTGCATTATGTGTGCAGCTGCTCTCCGCCTGAT
 GAAATCCCGCTGGTTGTATATGGCTGTCAGAATGAACGATTTGGTGGTTGTGGCTCTGTTCTAAATATT
 GCCTCTGCTGACCTACCAAACACTGGGAGACCATTTCAAGTGTATCCCTGGATATCGGGCTGAGGAAGCAG
 TGGAAATGTTAAAGACCTTCTACAAACAAGAAAATCCAAATGCACCAAAATCGAAAGTTCGGAAGAAAGGA
 ATGTCAGAAATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212395 representing NM_182503
 Red=Cloning site Green=Tags(s)

MEAKAAPKPAASGACSVSAEETEKWMEEMHMAKEALENTEVPVGLMVYNNEVVGKGRNEVNQTKNATR
 HAEMVAIDQVLDWCRQSGKSPSEVFHTVLYVTVEPCIMCAAALRLMKIPLVVYGCQNERFGGCGSVLNI
 ASADLPNTGRPFQCI PGYRAEEAVEMLKTFYKQENPNAPKSKVRKKECQKS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_182503.3](#)

RefSeq Size: 6270 bp

RefSeq ORF: 576 bp

Locus ID: 134637

UniProt ID: [Q7Z6V5](#)

Cytogenetics: 6q24.2

Gene Summary: Probably participates in deamination of adenosine-34 to inosine in many tRNAs.
[UniProtKB/Swiss-Prot Function]