

Product datasheet for **RG236014**

ADAT2 (NM_001286259) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ADAT2 (NM_001286259) 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: >RG236014 representing NM_001286259.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTCTACAACAATGAAGTTGTAGGGAAGGGGAGAAATGAAGTTAACCAAACAAAAATGCTACTCGA
CATGCAGAAATGGTGGCCATCGATCAGGTCCTCGATTGGTGTCTGCAAAGTGGCAAGAGTCCCTCTGAA
GTATTTGAACACACTGTGTTGTATGTCCTGTGGAGCCGTGCATTATGTGTGCAGCTGCTCTCCGCCTG
ATGAAAATCCCGCTGGTTGTATATGGCTGTGAGAATGAACGATTTGGTGGTTGTGGCTCTGTTCTAAAT
ATTGCCTCTGCTGACCTACCAAACACTGGGAGACCATTTCAAGTGTATCCCTGGATATCGGGCTGAGGAA
GCAGTGGAAATGTTAAAGACCTTCTACAAACAAGAAAATCCAAATGCACCAAATCGAAAGTTCGGAAA
AAGGAATGTCAGAAATCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

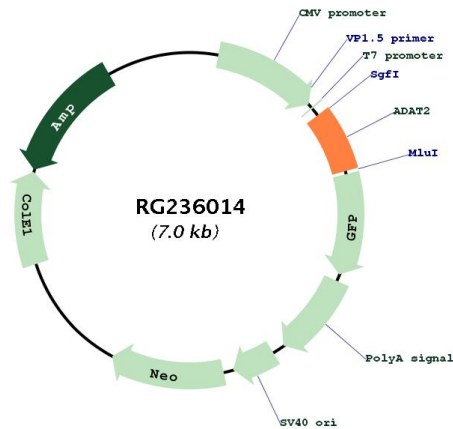
Protein Sequence: >Peptide sequence encoded by RG236014
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MVYNNEVVGKGRNEVNQTKNATRHAEMVAIDQVLDWCRQSGKSPSEVFEHTVLYVTEPCIMCAAALRL
MKIPLVYVYGCQNERFGGCGSVLNIASADLPNTGRPFQCIPIGYRAEEAVEMLKTFYKQENPNAPKSKVRK
KECQKS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001286259

ORF Size: 432 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).
RefSeq:	NM_001286259.1 , NP_001273188.1
RefSeq Size:	7368 bp
RefSeq ORF:	435 bp
Locus ID:	134637
UniProt ID:	Q7Z6V5
Cytogenetics:	6q24.2
MW:	16.5 kDa
Gene Summary:	Probably participates in deamination of adenosine-34 to inosine in many tRNAs. [UniProtKB/Swiss-Prot Function]