

Product datasheet for **SC123459**

ADAT2 (BC037955) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAT2 (BC037955) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAT2
Synonyms:	adenosine deaminase, tRNA-specific 2, TAD2 homolog (S. cerevisiae); DEADC1; deaminase domain containing 1; dj20N2; dj20N2.1; DKFZp686L1118; FLJ44213; OTTHUMP00000017329; OTTHUMP00000017330; TAD2; tRNA-specific adenosine deaminase 2 homolog
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC037955 edited
CCACGCGTCCGGGCGAAGGCGGCACCCAAGCCAGCTGCAAGCGGCGCGTCTCGGTGTCG
GCAGAGGAGACCGAAAAGTGGATGGAGGAGGCGATGCACATGGCCAAAGAAGCCCTCGAA
AATACTGAAGTTCCTGTTGGCTGTCTTATGGTCTACAACAATGAAGTTGTAGGGAAGGGG
AGAAATGAAGTTAACCAACCAAAAATGCTACTCGACATGCAGAAATGGTGGCCATCGAT
CAGGTCCCTCGATTGGTGTCTGCAAAAGTGGCAAGAGTCCCTCTGAAGTATTTGAACACACT
GTGTTGTATGTCACCTGTGGAGCCGTGCATTATGTGTGCAGCTGCTCTCCGCTGATGAAA
ATCCCGCTGGTTGTATATGGCTGTCAGAATGAACGATTTGGTGGTTGGGCTCTGTTCTA
AATATTGCCTCTGCTGACCTACCAAACTGGGAGACCATTTCAAGTGTATCCCTGGATAT
CGGGCTGAGGAAGCAGTGGAAATGTTAAAGACCTTCTACAAACAAGAAAATCCAAATGCA
CCAAAATCGAAAGTTCGGAAAAAGGAATGTCAGAAATCTTGAACATGTTCTGATGAAAGA
ACCAAGTGACCAAAAGTACCTGGAGAAGATTCATAGACTGAAAGCTGTTGACATCGTTG
AATCATATGTTTATATATGTTTTAATCTGCAGGAAAATGGTGTCTCTCATCATTGCT
CTGTTAAGGGAACAAATTAGCACTTTTTAGAAGTCTGACAATTGTAACAGTTATTAGCT
TTTCCAGAAGCTGATTCCATTTAAGATGGGGGAAAATTAAGGTTTGAGTTTTAGAAA
TTAGCAAGTAGTCATACCCCTTAGCCACAAGTGCCAGTCCAGGCAAGTGCTGACTTC
TTAGAGAATGTGTGGCCAGACCCAGGGACCTGGAGTGTGTTGGACTGCAGTTTGCCACC
CTGAGAACACCTTCTCCAGGACTGGCATTTCAGAATCAGATTCTTCATTTTTGCAGCTA
CGATGTTCTTCCAGGGCACTGGGGGCTGTGACTTCTCTCTAAATTGTATATAAGTTGTGT
ATATAGAGACCATAATTATATGGTCCTTAGAAAAGACTTTGCTTTTATAAAGCATTTAGA
AAAAATGCATACTTTTAAAAAAGTGTGAGTTGTCACCTAAAAATTATAGCATATTGC
TATAATAAAACCTTATTTATGTCTTATTTGAAGATGAATAGTCTTAAAAGATAAAGACAT
AAATGGGACAATTGTTATTGAGCAAAAAACCAAAATTAATCCACCCTCATGGAGCTTATAT
TCTAGCAAGGGGAGATGGATATGATAGATTACACAGTTTATTGGAGGACAATAAGAGTTA
TGGCAAAAAGCAAAAGGAACACAGGGTAAAGGGGATAGGTGCCATTTGGTGGTGAAGATG
CTGACTGAAAAATAGAATGGTCAATTTAATCGGAAACAAATGGTTATTTCTTTTATAATC
CATATAATAAATTTAAAACTAAAATGTAATTTTGAACACAACACTGGAAAGGGTATC
CACAGCAGGAAGTCCCAGTTCACCTCCATGACTACAGGGCAGCTTTGCACAGCCCTCTG
GGCGCACTGTGTGCTCTGCCAGAAGGGGGCCTCGCCGTTCCACCAGAAGCTCAGCTCC
AGGCCCTGGAGGGGCTGTGCTCCTCAGTTGCATTTCTCAGTAGATTCAATTCCTTGAT
GCAAAGCATCTGTATTTGTTGGTTCTGTCAATTTGAGCGATGTCTGACTTGTGTTTT
GAATTACATTACAGGCTGGAATGTAATTGTGGTAAAAGTATTTTTATATTGCTGAGAGTA
GCAGCTAATCACAGTTACATGCTTCAGAGGACTTATAATTGCTTGGTTTTGTGTGTGTGT
GTGTGTGTGTGTGTGTGTGTGTGTGTGTGTTAACTGCATTTGAAAAGTTTTATGGAG
AATATGCATGATTTTAACTGTGATAATGTTACATGCACCTTCAATTTCCACTTTA
AAAATTATCTTCTCATTGAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for BC037955 unedited CGTCAAAATTTGTATACGACTCATATAGGGCGGCCGGAATTCCTGGGATATCGTCGACC CACGCGTCCGGGCGAAGGCGGCACCCAAGCCAGCTGCAAGCGCGCGTGCCTCGGTGTCGG CAGAGGAGACCGAAAAGTGGATGGAGGAGGCGATGCACATGGCCAAAGAAGCCCTCGAAA ATACTGAAGTTCCTGTTGGCTGTCTTATGGTCTACAACAATGAAGTTGTAGGGAAGGGGA GAAATGAAGTTAACCAACCAAAAATGCTACTCGACATGCAGAAATGGTGGCCATCGATC AGGTCCCTCGATTGGTGTCTGTCAAAAGTGGCAAGAGTCCCTCTGAAGTATTTGAACACTG TGTTGTATGTCACTGTGGAGCCGTGCATTATGTGTGCAGCTGCTCTCCGCCTGATGAAAA TCCCGCTGGTTGTATATGGCTGTCAGAATGAACGATTTGGTGGTTGTGGCTCTGTCTAA ATATTGCCTCTGCTGACCTACCAAACTGGGAGACCATTTCAGTGTATCCCTGGATATC GGGCTGAGGAAGCAGTGGAAATGTTAAAGACCTTCTACAAACAAGAAAATCCAAATGCAC CAAAATCGAAAGTTCGAAAAAGGAATGTCAGANATCTTGAACATGTTCTGATGAAAGAA CCAAGTGACCCANAGTGACCTGGAGAAGATTCATAGACTGAAAGCTGTTGACATCGTTGA ATCATATGTTTATATATTGTTTTAATCTGCAGGAAAATGGTGTCTCTCATCATTTTGCTC TGTTAAGGGAACANATTAGCACTTTTTAGAAAGTCTGANNATTGTAACAGTTATTAGCTT TCCAGAAGCTGATTCCNATTTNNAGATGGGGAAAATAAAGGTTGAGTTTTAGAAATTA GCAGTAGTCATACCCTTCTAGCCACAGTGC
Restriction Sites:	Please inquire
ACCN:	BC037955
Insert Size:	2074 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:	<ol style="list-style-type: none"> 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:	BC037955.1 , AAH37955.2
RefSeq Size:	2074 bp
Locus ID:	134637
Cytogenetics:	6q24.2
Gene Summary:	Probably participates in deamination of adenosine-34 to inosine in many tRNAs. [UniProtKB/Swiss-Prot Function]