

Product datasheet for **SC319084**

ADAT1 (NM_012091) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAT1 (NM_012091) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADAT1
Synonyms:	HADAT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_012091.2
 AGCTCGCTTTCTTCTAGGCGCGTTTCTGAAGGTCGATGGCCAGGTGGTCTTCATAAACT
 ATACTGCCTTGTGATGCCTCCCTAGAAATGAGAGGTCTCAATACCAGCTCAGACCATGTG
 GACCGCGATGAGATTGCTCAGCTATGCTATGAACACTATGGGATCAGGCTGCCAAGAA
 GGGGAAGCCTGAGCCAAACCATGAGTGGACATTATTGGCAGCGGTGGTGAAGATACAATC
 TCCAGCTGACAAGGCCTGCGACACCCCTGATAAGCCGGTGCAAGTGACAAAGGAAGTTGT
 GTCAATGGGAACAGGAACAAAATGCATAGGCAGTCCAAAATGAGGAAGAACGGAGACAT
 CCTCAATGATAGCCATGCTGAGGTCATAGCCAGAAGGAGTTTCCAAAGGTACCTTCTCCA
 CCAACTCCAGTTGGCAGCCACCCTGAAAGAGGATAGCATCTTTGTCCAGGAACTCAAAA
 AGGAGTGTGAAACTTAGACGAGACCTCATTTTTGTGTTTTTCTCCAGCCATACACCCTG
 TGGGGATGCCTCCATCATTCCGATGCTTGAAGTGAAGATCAGCCTTGCTGCTGTCTT
 CAGAAATTGGGCCACAACCTCATCAGTAGAAGCCAGTAGTAACCTGGAAGCTCCTGGAAA
 TGAAAGAAAATGTGAAGACCCTGACAGTCTGTAACAAAAAGATGAGGCTTGAGCCTGG
 GACTGCAGCCAGGAGGTCACCAACGGAGCAGCTCACCATCAGAGTTTTGGCAAGCAGAA
 AAGTGGCCCAATCTCACCAGGCATCCACAGCTGTGATCTACTGTAGAGGGACTGGCTAC
 TGTCAACAGAATAGCCCCCTGGTAGTCCAAAGTATAGACGTTTATAGAAGTGGAGCCAA
 GTGTGTACCTGGAGAAGCTGGAGACTCCGAAAGCCGGGTGCTGCGTTTACCAGGTGGG
 GCTGCTCCGAGTGAAGCCAGGCCGTGGAGACAGAACACGCTCCATGTCCTGTAGTGACAA
 GATGGCCCGATGGAACGTCCTCGGATGCCAAGGGGCACTGTTGATGCACTTGCTGGAAGA
 GCCCATCTACCTGTCAGCTGTGGTCATTGGGAAGTGCCCATACAGCCAGGAAGCCATGCA
 GAGAGCACTGATTGGAAGGTGTCAGAATGTGTCTGCTTTACAAAAGGCTTCGGAGTTCA
 AGAATTAATAACTGCAGTCAGATTTACTATTTGAACAGAGCCGCAAGTGCAGTGCAGGC
 AAAAAGGGCTGATAGCCAGGTCGACTTGTTCCTTGTGGGGCAGCCATCAGCTGGAGTGC
 AGTTCCTGAGCAGCCTTTGGATGTTACTGCCAATGGCTTTCCACAGGGAACAACAAGAA
 AACAAATTGGAAGCCTTCAGGCAAGATCCCAAATCAGCAAAGTGGAACTTTCAGATCATT
 CCAGAAGCTGCTAAGCAGAATTGCAAGGGACAAGTGGCCACACTCCCTCAGGGTGCAGAA
 GCTGGATACCTACCAGGAGTACAAGGAGGCTGCGTCTTACCAGGAAGCCTGGAGCAC
 ACTCCGGAAGCAGGTGTTGGATCCTGGATCAGAAACCCACCGGATTATCACCAGTTCAA
 GTGAGAAGGAAATGTTTGTCTGGTAGCAGGACCCTTCATCCTGAACTGCCTTCTCCAC
 GCAGGACAAGTCTTAGCTTTTTTGGTAGTTAAATCAGGGAACATTCTTTCTGAGCTTTGC
 ATCTCTGTGTGTAATACAGATGGAATCTGGAAGTCTAGAGCAAGCTATACTTGATTGAAG
 TAGCTCTCTGCTAAAATGGCATCTCACTAATGACCTCAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_012091

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	NM_012091.2 , NP_036223.1
RefSeq Size:	2727 bp
RefSeq ORF:	1509 bp
Locus ID:	23536
UniProt ID:	Q9BUB4
Cytogenetics:	16q23.1
Domains:	A_deamin
Gene Summary:	<p>This gene is a member of the ADAR (adenosine deaminase acting on RNA) family. Using site-specific adenosine modification, proteins encoded by these genes participate in the pre-mRNA editing of nuclear transcripts. The protein encoded by this gene, tRNA-specific adenosine deaminase 1, is responsible for the deamination of adenosine 37 to inosine in eukaryotic tRNA. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2010]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a). Variants 1 and 3 both encode the same 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.</p>