

## Product datasheet for **RN201809**

### Tada2a (NM\_001012141) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tada2a (NM_001012141) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tada2a
Synonyms:	Tada2l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN201809 representing NM\_001012141  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACCGTTTGGGTTCTTTAGCAATGATCCATCTGATAAGCCACCTTGCAGAGGCTGCTCCTCTACC  
TCATGGAACCTTACATTAATGTGCTGAATGTGGCCTCCTCCTTCTTCTGTGCTTGCAGTGTTCAC  
TAGAGGATTTGAGTACAAGAAACATCAGAGTGATCATACTTACGAAATAATGACCTCAGACTTCCCTGTT  
CTTGATCCAGCTGGACAGCTCAGGAAGAAATGGCACTTTTAGAAGCTGTTATGGACTGTGGCTTTGGAA  
ATTGGCAGGATGTTGCTAATCAGATGTGCACAAAACCAAGGAAGAGTGTGAGAAGCACTACATGAAACA  
TTTTATCAATAACCCCTGTTTGCATCCACCCTGCTAACCTGAAGCAAGCTGAGGCAGCCAAAACCTGCC  
GACACAGCCATTCCATTTCACTCTGCAGATGACCCTCCCCGGCCTGCCTTTGATTCGTTGCTGTCTCGGG  
ACATGGCAGGATATATGCCAGCTCGGGCAGATTTCAATTGAGGAGTTTGACAATTATGCAGAATGGGACTT  
AAGAGACATTGATTTTGTGAAGACGACTCGGACATCTTACACGCTCTGAAGATGGCTGTGGTGGATATC  
TATCATCCAGGTTAAAAGAGAGGCAAAGACGAAAAAAGATTATAAGAGATCACGGATTAGTTAACCTTA  
GAAAGTCCGACTGATGGAGCGTCGGTATCCTAAGGAGGTCCAAGACCTTTATGAAACGATGAGGAGATT  
TGCAAGGATTGTGGGACCAAGTGGAGCAGCAAGTTCATTGAAAGCCATGCATTGGAATTTGAACTCCGA  
AGGGAAATCAAGAGGCTCCAAGAATATAGGACAGCAGGCATTACCAATTTTTGTAGCGCCAGGACTTATG  
ACCACCTGAAGAAGACACGAGAGGAGGAGCGCCTTAAACGCACCATGCTCTCAGAAGTTCACAGTACAT  
CCAGGACAGCAGTGCCTGCCAGCAGTGGCTGCGCCGGCAGGCTGACATTGATTCTGGGCTGAGTCTTCT  
GTTCTGATGGCTTCCAACCTCAGGAAGACGAGTGTGAGGTTGTAAGGTTGTTACCTGGAGCCTATTTGGAATA  
AAGTCTGCTCTATTGAATGAGTGTACAAGCAAGGAGGCTTGAGACTGGCACAAGCAAGAGCACTCATC  
AAGATAGACGTGAACAAAACCCGGAAGATCTATGACTTCTCATCCGAGAAGGTACATCACGAAAGCCT  
GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001012141

**Insert Size:** 1332 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\\_001012141.1](#), [NP\\_001012141.1](#)

RefSeq Size: 2124 bp

RefSeq ORF: 1332 bp

Locus ID: 360581

UniProt ID: [Q6AYE3](#)

Cytogenetics: 10q26

**Gene Summary:** Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4. Required for the function of some acidic activation domains, which activate transcription from a distant site. Binds double-stranded DNA. Binds dinucleosomes, probably at the linker region between neighboring nucleosomes. Plays a role in chromatin remodeling. May promote TP53/p53 'Lys-321' acetylation, leading to reduced TP53 stability and transcriptional activity. May also promote XRCC6 acetylation thus facilitating cell apoptosis in response to DNA damage.[UniProtKB/Swiss-Prot Function]