

Product datasheet for **MC203074**

Tada2a (NM_172562) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tada2a (NM_172562) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tada2a
Synonyms:	AV319371; D030022J10Rik; Tada2l
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC038821
 CCACGCGTCCGCGCCGAGGTGCGGGACGTGGCGAGGGATCGTGGGATTGTTTGGCAACCTCTGAAGTCT
 TGAAACTCTACATCAAGGGAGATCAAGCAGCCATCAGTCAGCTAGAGGATGGACCGTTTGGGTTCCCTTTA
 GCAATGACCCATCTGATAAGCCGCCCTGCAGAGGCTGCTCCTCTACCTCACGGAACCTTACATTAATG
 TGCTGAATGTGGGCCCTCCTTTCTTCTGTGTTTACAGTGTTCACCTCGAGGATTTGAGTACAAGAAA
 CATCAGAGTGATCACACTTACGAAATAATGACCTCAGACTCCCTGTTCTTGATCCCAGCTGGACAGCGC
 AAGAAGAATGGCCCTTTTAGAAGCTGTAATGGACTGTGGCTTTGGAAAATTGGCAGGATGTGGCTAATCA
 AATGTGCACAAAACCAAGGAGGAGTGTGAGAAGCACTACATGAAGCATTTCATCAATAACCTCTGT
 GCATCCACCTGTGAACCTGAAGCAAGCTGAGGCGGCCAAAGCTGCCGACACAGCCATTCCATTTCACT
 CCGCAGATGACCTCCCCGGCCTGCCTTGTACTATTGCTGTCTCGGGACATGGCAGGCTACATGCCAGC
 GCGGGCAGATTTTATTGAGGAGTTTACAAATTATGCGAATGGGACTTAAGAGACATTGATTTTGTGAA
 GACGACTCAGACATCTTACATGCTCTGAAGATGGCTGTGGTGGATATCTATCATTCCAGTTAAAAGAGA
 GGCAAAGAAGAAAAAGATTATAAGAGATCACGGATTAGTCAACCTTAGGAAGTCCGACTAATGGAACG
 GCGGTATCCCAAGGAGGTCGAAGACCTTATGAAACAATGAGGAGATTTGCAAGGATTGTGGACCCGTG
 GAGCAGACAAGTTCATTGAAAGCCATGCATTGGAATTTGAACTCCGAAGGAAATCAAGAGGCTCCAAG
 AATATAGGACAGCAGGCATTACCAATTTTTGTAGTGCCAGGACATATGATCACCTGAAGAAGACACGAGA
 GGAGGAGCGCCTTAAACGCACCATGCTCTCAGAAGTCTCCAGTACATCCAGGACAGCAGTGCCTGCCAG
 CAGTGGCTCCGCCGGCAGGCTGACATTGATTCTGGGCTGAGTCTTCTGTCTGTATGGCTTCTAACTCAG
 GAAGGCGAAGTGCACCACCATTTAACCTCACGGTCTCCCTGGTACAGAGAACTCAATGAAAAGGAAAA
 GGAGCTCTGTGAGGTGGTGGTGGTACCTGGAGCCTACTTGGAAATAAAGTCTGCTCTGTTGAACGAG
 TGTACAAGCAAGGAGGCTTGAAGTGGCAAGCAAGGGCACTCATCAAGATAGACGTGAACAAAACCC
 GGAAAATCTATGACTTCTTATCCGAGAAGGGTACATCACGAAAGCCTGAGACTCTGCTCCATGGTGCAG
 GCCAGCGGAAGGAATGTGAACAGTCAAGGGCAGTGTACACATTTGAGGACTTGTGTTGGATTCTTGC
 TGTGAGAAGAAGGAGAGACACTGGGAGTCTAAGGATGATGACCGCTTCTTCTCTGCCCTCTGTAAGCG
 CTGCTGTGCTTGTGAGGATAGTGCCTCAGAGTGTGTGTTGCGCAAGTATTATTAAACACCAGTGGGCA
 TTTGTTCTAGCAGCTCTTGAAGTCAAACAAGAACCATGGGCCCTCGCATCATGGCTTTGGTGGAAAGGA
 GAAGGGACCCAGGCCACAGCATTTCACCCCAAGAGGCCAGCTCAGATCCATGCACTAGAGAGTAAAGTTC
 CCACACTACTCTGCCTTCCCCTTTCAGGCAGATTTTAAATGAAAGTTTTTAGAGCACAGGAAAGCCT
 TTTCTTCAAGGAGTTTTTCTTTTTTATGCTGACATCTAGTTTATGAGATGAAGAGGTGGAGCTCTCC
 CCCATGATGGTCTGTCTGAAACTTCATTTTAACTGTAATGTCTAGCTTTGACTTTGCAGTCTGGCTGTC
 TGATGTGCAGTCACTCTTGAGGAGGTGGCACCGGATATAAAATGTCTCTGTTATTTTTAGAAATTAATGG
 ATTAATGTTTTGCTATTTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_172562

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: [BC038821](#), [AAH38821](#)

RefSeq Size: 2135 bp

RefSeq ORF: 1332 bp

Locus ID: 217031

UniProt ID: [Q8CHV6](#)

Cytogenetics: 11 C

Gene Summary: Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4 (By similarity). Required for the function of some acidic activation domains, which activate transcription from a distant site (By similarity). Binds double-stranded DNA (PubMed:16299514). Binds dinucleosomes, probably at the linker region between neighboring nucleosomes (PubMed:16299514). Plays a role in chromatin remodeling (By similarity). May promote TP53/p53 'Lys-321' acetylation, leading to reduced TP53 stability and transcriptional activity (By similarity). May also promote XRCC6 acetylation thus facilitating cell apoptosis in response to DNA damage (By similarity).[UniProtKB/Swiss-Prot Function]