

Product datasheet for **RC203687**

TADA3L (TADA3) (NM_006354) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TADA3L (TADA3) (NM_006354) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TADA3L
Synonyms:	ADA3; hADA3; NGG1; STAF54; TADA3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC203687 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGAGTTGAAAGACTGCCCTTGCACTCCACGACTTCAAGTCTGTGGATCACCTGAAGTCTGTG
 CCCGCTACACGGCAGTGTGGCACGCTCTGAGGATGATGGCATCGGCATCGAGGAGCTGGACACCCTGCA
 GCTGGAGCTGGAGACCCTGCTGTCTTCTGCCAGCCGGCGCCTGCGTGTGCTTGGAGCCGAAACCCAGATC
 CTCACCGACTGGCAGGATAAGAAAGGTGACAGACGATTCTGAAGCTGGGTCGAGACCATGAACTTGGAG
 CTCACCCAAACATGGGAAGCCCAAGAAGCAGAACTGGAAGGGAAGGCAGGACATGGGCCGGCCCTGG
 CCCAGGACGGCCAAATCAAAAACCTTCAGCCCAAGTCCAGGAATATGAATTCAGTATGACCCATC
 GACGTGCCACGGATCCCCAAAAATGATGCCCAACAGGTTCTGGGCTTCAGTGGAGCCCTACTGTGCTG
 ACATCACCAGCGAGGAGTCCGCACACTTGAGGAGTACTGAAGCCCCAGAAGATGAGGCTGAGCATT
 CAAGATCCACCCCTGGGAAGCACTACTCCAGCGCTGGGCCAGGAGACCTGCTGGAGGAGCAGAAG
 GATGGGGCCCGGCAGCGCTGTGGCTGACAAGAAGAAAGGCCTCATGGGGCCACTGACCGAACTGGACA
 CTAAGATGTGGATGCCCTGCTGAAGAAGTCTGAGGCCAGCATGAACAGCCGGAAGATGGATGCCCTT
 TGGTGCCTGACGCAGCGCTCCTGACGGCCCTGGTGGAGGAAAATATTATTTCCCTATGGAGGATTCT
 CCTATTCTGACATGTCTGGGAAAGAAATCAGGGGCTGACGGGCAAGCACCTCCCTCGCAATCAGAACA
 AGCCCTTCAGTGTGCCGATACTAAGTCCCTGGAGAGCCGCATCAAGGAGGAGCTAATTGCCAGGGCT
 TTTGGAGTCTGAGGACCGCCCGCAGAGGACTCCGAGGATGAGGTCTTGTGCTGAGCTTCGAAACGGCAG
 GCTGAGCTGAAGGCACTTAGTGCCACAACCGCACCAAGAAGCAGACCTGCTGAGGCTGGCAAAGGAGG
 AGGTGAGCCGGCAGGAGCTGAGGCAGCGGCTGCGCATGGCTGACAACGAGGTCATGGACGCCTTTCGAA
 GATCATGGCTGCCCGCAGAAAGACGGACTCCCAACAAAGAAAGAAAGGACCGCCTGGAAGACTCTG
 AAGGAGCGTGAGAGCATCCTGAAGCTGCTGGATGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203687 protein sequence
 Red=Cloning site Green=Tags(s)

MSELKDCPLQFHDFKSV DHLKVCPRYTAVLARSEDGIGIEELDTLQLELETLSSASRRLRVLEAETQI
 L TDWQDKKGD RRFLKLRDHELGA PPKHGKPKKQKLE GKAGHGPGPGRPKSKNLQPKIQEYEFDDPI
 DVPRIPKNDAPNRFWASVEPYCADITSEEVRTLEELLKPPEDA EHYKIPPLGKHYSQRWAQEDLLEEQK
 DGARAAAVADKKKGLMGPL TELDTKDVDALLK KSEAQHEQPEDGCPFGAL TQRLQLALVEENIISP MEDS
 PIPDMSGKESGADGASTSPRNQNKPF SVPHTKSLESRIKEELIAQGLLE SEDRPAEDSEDEVL AELRKRQ
 AELKALSAHNRTKKHDLLRLAKEEVS RQELRQRV RMADNEVMDAFR KIMAA RQKKRTPTKKEDQAWKTL
 KERESILKLLDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6001_d09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_006354

ORF Size: 1296 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).

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_006354.3](#)

RefSeq Size: 2530 bp

RefSeq ORF: 1299 bp

Locus ID: 10474

UniProt ID: [O75528](#)

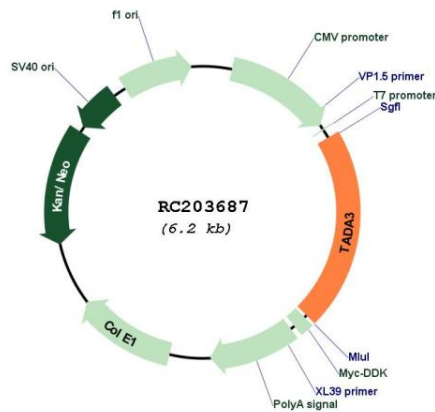
Cytogenetics: 3p25.3

Protein Families: Transcription Factors

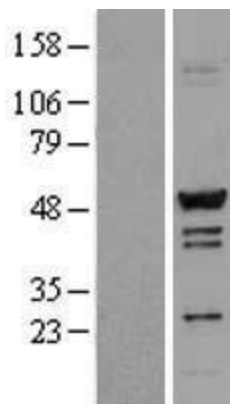
MW: 48.9 kDa

Gene Summary: DNA-binding transcriptional activator proteins increase the rate of transcription by interacting with the transcriptional machinery bound to the basal promoter in conjunction with adaptor proteins, possibly by acetylation and destabilization of nucleosomes. The protein encoded by this gene is a transcriptional activator adaptor and a component of the histone acetyl transferase (HAT) coactivator complex which plays a crucial role in chromatin modulation and cell cycle progression. Along with the other components of the complex, this protein links transcriptional activators bound to specific promoters, to histone acetylation and the transcriptional machinery. The protein is also involved in the stabilization and activation of the p53 tumor suppressor protein that plays a role in the cellular response to DNA damage. Alternate splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]

Product images:



Circular map for RC203687



Western blot validation of overexpression lysate (Cat# [LY401911]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203687 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TADA3 protein (Cat# [TP303687]). The protein was produced from HEK293T cells transfected with TADA3 cDNA clone (Cat# RC203687) using MegaTran 2.0 (Cat# [TT210002]).