

## Product datasheet for RC201082

### TADA3L (TADA3) (NM\_133480) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TADA3L (TADA3) (NM_133480) 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)
ORF Nucleotide Sequence:	>RC201082 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTGAGTTGAAAGACTGCCCTTGCAGTTCACGACTTCAAGTCTGTGGATCACCTGAAGGTCTGTC  
CCCCTACACGGCAGTGTGGCAGCTCTGAGGATGATGGCATCGGCATCGAGGAGCTGGACACCCTGCA  
GCTGGAGCTGGAGACCCTGCTGTCTTCTGCCAGCCGGCGCTGCGTGTGTTGAGGCCGAAACCCAGATC  
CTCACCAGCTGGCAGGATAAGAAAGGTGACAGACGATTCCCTGAAGCTGGGTGAGACCATGAACTGGAG  
CTCCCCCAAACATGGGAAGCCCAAGAAGCAGAACTGGAAGGGAAGGCAGGACATGGGCCGGCCCTGG  
CCCAGGACGGCCAAATCCAAAAACCTTCAGCCCAAGATCCAGGAATATGAATCACTGATGACCCTATC  
GACGTGCCACGGATCCCCAAAAATGATGCCCCAAACAGTTCTGGGCTTCAGTGGAGCCCTACTGTGCTG  
ACATCACCAGCGAGGAGTCCGCACACTTGAGGAGTACTGAAGCCCCAGAAGATGAGGCTGAGCATT  
CAAGATCCCACCCTGGGAAGCACTACTCCAGCGCTGGGCCAGGAGGACCTGCTGGAGGAGCAGAAG  
GATGGGGCCGGCAGCGGCTGTGGTGACAAGAAGAAAGGCCTCATGGGGCACTGACCGAACTGGACA  
CTAAAGATGTGGATGCCCTGTGAAGAAGTCTGAGGCCAGCATGAACAGCCGGAAGATGGATGCCCTT  
TGGTCCCTGACGACGCTGTTGGAAAGAATCAGGGGCTGACGGGCAAGCACCTCCCTCGCAATCAGAACA  
AGCCCTTCAAGTGTGCCGATACTAAGTCCCTGGAGAGCCGCATCAAGGAGGAGCTAATTGCCAGGGCCT  
TTTGGAGTCTGAGGACCGCCCGCAGAGGACTCCGAGGATGAGGTCTTGTGAGCTTCGAAACGGCAG  
GCTGAGCTGAAGGCATCTAGTGCCACAACCGCACCAAGAAGCACGACCTGCTGAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RC201082 protein sequence  
Red=Cloning site Green=Tags(s)

MSELKDCPLQFHDFKSV D H L K V C P R Y T A V L A R S E D D G I G I E E L D T L Q L E L E T L L S S A S R R L R V L E A E T Q I  
 L T D W Q D K K G D R R F L K L G R D H E L G A P P K H G K P K K Q K L E G K A G H G P G P G P R P K S K N L Q P K I Q E Y E F T D D P I  
 D V P R I P K N D A P N R F W A S V E P Y C A D I T S E E V R T L E E L L K P P E D A E A H Y K I P P L G K H Y S Q R W A Q E D L L E E Q K  
 D G A R A A A V A D K K K G L M G P L T E L D T K D V D A L L K K S E A Q H E Q P E D G C P F G A L T Q R L L Q A L V E E N I I S P M E D S  
 P I P D M S G K E S G A D G A S T S P R N Q N K P F S V P H T K S L E S R I K E E L I A Q G L L E S E D R P A E D S E D E V L A E L R K R Q  
 A E L K A L S A H N R T K K H D L L R

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6419\\_a10.zip](https://cdn.origene.com/chromatograms/mk6419_a10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_133480

**ORF Size:** 1107 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\\_133480.2](#)

**RefSeq Size:** 2846 bp

**RefSeq ORF:** 1110 bp

**Locus ID:** 10474

**UniProt ID:** [O75528](#)

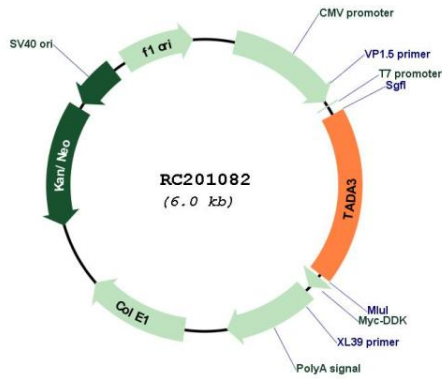
**Cytogenetics:** 3p25.3

**Protein Families:** Transcription Factors

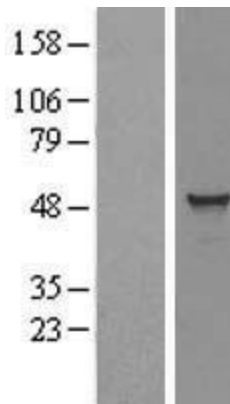
**MW:** 41.4 kDa

**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]

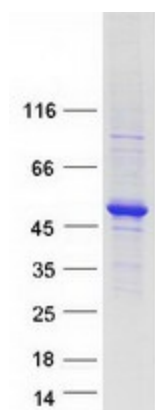
Product images:



Circular map for RC201082



Western blot validation of overexpression lysate (Cat# [LY408813]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201082 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TADA3 protein (Cat# [TP301082]). The protein was produced from HEK293T cells transfected with TADA3 cDNA clone (Cat# RC201082) using MegaTran 2.0 (Cat# [TT210002]).