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Product datasheet for RG201082

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:	TurboGFP
Symbol:	TADA3L
Synonyms:	ADA3; hADA3; NGG1; STAF54; TADA3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG201082 representing NM_133480
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGAGTTGAAAGACTGCCCCTTGCAGTTCCACGACTTCAAGTCTGTGGATCACCTGAAGGTCTGTC
CCCGCTACACGGCAGTGCTGGCACGCTCTGAGGATGATGGCATCGGCATCGAGGAGCTGGACACCCTGCA
GCTGGAGCTGGAGACCCTGCTGTCTTCTGCCAGCCGGCGCCTGCGTGTGCTTGAGGCCGAAACCCAGATC
CTCACCGACTGGCAGGATAAGAAAGGTGACAGACGATTCCTGAAGCTGGGTCGAGACCATGAACTTGGAG
CTCCCCCCAAACATGGGAAGCCCAAGAAGCAGAAACTGGAAGGGAAGGCAGGACATGGGCCGGGCCCTGG
CCCAGGACGGCCCAAATCCAAAAACCTTCAGCCCAAGATCCAGGAATATGAATTCACTGATGACCCTATC
GACGTGCCACGGATCCCCAAAAATGATGCCCCCAACAGGTTCTGGGCTTCAGTGGAGCCCTACTGTGCTG
ACATCACCAGCGAGGAGGTCCGCACACTTGAGGAGTTACTGAAGCCCCCAGAAGATGAGGCTGAGCATTA
CAAGATCCCACCCCTGGGGAAGCACTACTCCCAGCGCTGGGCCCAGGAGGACCTGCTGGAGGAGCAGAAG
GATGGGGCCCGGGCAGCGGCTGTGGCTGACAAGAAGAAAGGCCTCATGGGGCCACTGACCGAACTGGACA
CTAAAGATGTGGATGCCCTGCTGAAGAAGTCTGAGGCCCAGCATGAACAGCCGGAAGATGGATGCCCCTT
TGGTGCCCTGACGCAGCGCCTCCTGCAGGCCCTGGTGGAGGAAAATATTATTTCCCCTATGGAGGATTCT
CCTATTCCTGACATGTCTGGGAAAGAATCAGGGGCTGACGGGGCAAGCACCTCCCCTCGCAATCAGAACA
AGCCCTTCAGTGTGCCGCATACTAAGTCCCTGGAGAGCCGCATCAAGGAGGAGCTAATTGCCCAGGGCCT
TTTGGAGTCTGAGGACCGCCCCGCAGAGGACTCCGAGGATGAGGTCCTTGCTGAGCTTCGCAAACGGCAG
GCTGAGCTGAAGGCACTTAGTGCCCACAACCGCACCAAGAAGCACGACCTGCTGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

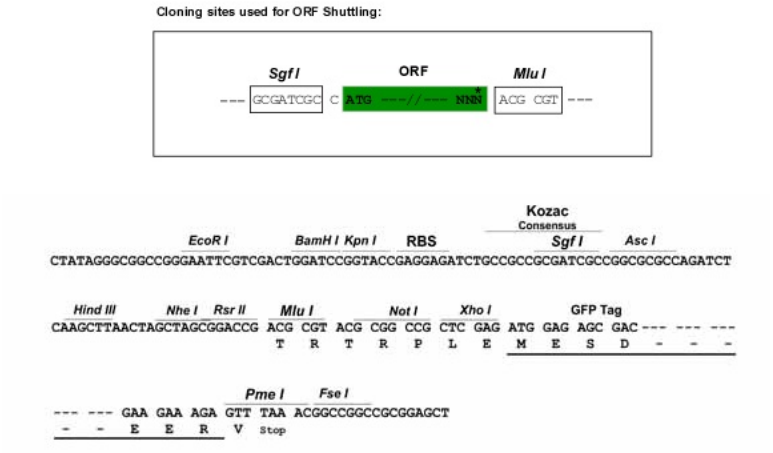
>RG201082 representing NM_133480
Red=Cloning site Green=Tags(s)

MSELKDCPLQFHDFKSVDHLKVCPRYTAVLARSEDDGIGIEELDTLQLELETLLSSASRRLRVLEAETQI
LTDWQDKKGDRRFLKLGRDHELGAPPKHGKPKKQKLEGKAGHGPGPGPGRPKSKNLQPKIQEYEFTDDPI
DVPRIPKNDAPNRFWASVEPYCADITSEEVRTLEELLKPPEDEAEHYKIPPLGKHYSQRWAQEDLLEEQK
DGARAAAVADKKKGLMGPLTELDTKDVDALLKKSEAQHEQPEDGCPFGALTQRLLQALVEENIISPMEDS
PIPDMSGKESGADGASTSPRNQNKPFSVPHTKSLESRIKEELIAQGLLESEDRPAEDSEDEVLAELRKRQ
AELKALSAHNRTKKHDLLR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

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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:	2571 bp
RefSeq ORF:	1110 bp
Locus ID:	10474
UniProt ID:	O75528
Cytogenetics:	3p25.3
Protein Families:	Transcription Factors
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]

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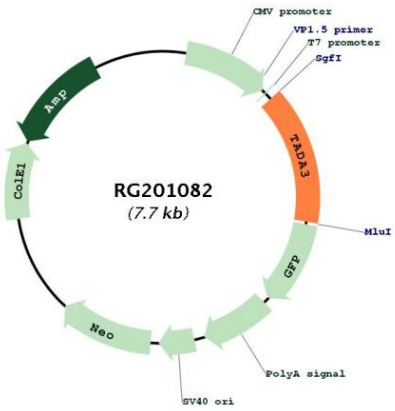
Product images:



Circular map for RG201082

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