

Product datasheet for **RC237330**

ADA2a (TADA2A) (NM_001291918) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADA2a (TADA2A) (NM_001291918) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TADA2A
Synonyms:	ADA2; ADA2A; hADA2; KL04P; TADA2L
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237330 representing NM_001291918 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACCGTTTGGGTTCTTTAGCAATGATCCCTCTGATAAGCCACCTTGCCGAGGCTGCTCCTCTACC
TCATGGAGCCTTATATCAAGTGTGCTGAATGTGGGCCACCTCTTTTCTCTGCTTGCAGTGTTCAC
TCGAGGCTTTGAGTACAAGAAACATCAAAGCGATCATACTTATGAAATAATGACTTCAGATTTTCTGTC
CTTGATCCCAGCTGGACTGCTCAAGAAGAAATGGCCCTTTTAGAAGCTGTGATGGACTGTGGCTTTGGAA
ATTGGCAGGATGTAGCCAATCAAATGTGCACCAAGACCAAGGAGGAGTGTGAGAAGCACTATATGAAGCA
TTTCATCAATAACCCTCTGTTTGCATCTACCCTGCTGAACCTGAAACAAGCAGAGGAAGCAAAAAGTCT
GACACAGCCATTCCATTTCACTCTACAGATGACCTCCCCGACCTACCTTTGACTCCTTGCTTTCTCGGG
ACATGGCCGGGTACATGCCAGCTCGAGCAGATTTTCATTGAGGAATTTGACAATTATGCAGAATGGGACT
GAGAGACATTGATTTTGTGAAGATGACTCGGACATTTTACATGCTCTGAAGATGGCTGTGGTAGATATC
TATCATTCCAGGTTAAAGGAGAGACAAAGACGAAAAAATTATAAGAGACCATGGATTAATCAACCTTA
GAAAGTTTCAATTAATGGAACGGCGGTATCCCAAGGAGTCCAGGACCTGTATGAAACAATGAGGCGATT
TGCAAGAATTGTGGGCCAGTGGAAACATGACAAATTCATTGAAAGCCATGCATGTAGGTGGTTTTTGAGC
CTTGAGCAGTATTTGTGTGTATATTTATATAAATAGGAGAGATAATGGTGTGTTTTATGTGAAGTTCT
ATAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237330 representing NM_001291918
 Red=Cloning site Green=Tags(s)

MDRLGSFSNDPSDKPPCRGCSSYLMEPIKCAECGPPPFLLCLQCFTRGFEYKKHQSDHTYEIMTSDFPV
 LDPSWTAQEEMALLEAVMDCGFQGNWQDVANQMCTKTKEECEKHVMKHFINNPLFASTLLNLKQAEAAKTA
 DTAIPFHSTDDPPRPTFDSLRSRDMAGYMPARADFIEEFDNYAEWDLRDIDFVEDDSDILHALKMAVVDI
 YHSRLKERQRRKKIIRDHGLINLRKFKLMERRYKPEVQDLYETMRRFARIVGPVEHDKFIESHACRWFLS
 LEQYL CVYIYINRRDNGVFYVKFYK

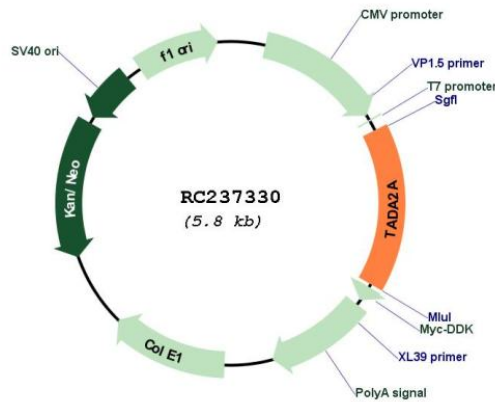
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001291918

ORF Size: 915 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:	<ol style="list-style-type: none">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_001291918.2
RefSeq Size:	1119 bp
RefSeq ORF:	918 bp
Locus ID:	6871
UniProt ID:	O75478
Cytogenetics:	17q12
Protein Families:	Transcription Factors
MW:	36.5 kDa
Gene Summary:	Many DNA-binding transcriptional activator proteins enhance the initiation rate of RNA polymerase II-mediated gene transcription by interacting functionally with the general transcription machinery bound at the basal promoter. Adaptor proteins are usually required for this activation, possibly to acetylate and destabilize nucleosomes, thereby relieving chromatin constraints at the promoter. The protein encoded by this gene is a transcriptional activator adaptor and has been found to be part of the PCAF histone acetylase complex. Several alternatively spliced transcript variants encoding different isoforms of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Oct 2009]