**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RC204042

## ADA2a (TADA2A) (NM_001488) Human Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | ADA2a (TADA2A) (NM_001488) Human Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | ADA2a |
| **Synonyms:** | ADA2; ADA2A; hADA2; KL04P; TADA2L |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |



View online »

**ORF Nucleotide Sequence:**

>RC204042 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCGTTTGGGTTCCTTTAGCAATGATCCCTCTGATAAGCCACCTTGCCGAGGCTGCTCCTCCTACC
TCATGGAGCCTTATATCAAGTGTGCTGAATGTGGGCCACCTCCTTTTTTCCTCTGCTTGCAGTGTTTCAC
TCGAGGCTTTGAGTACAAGAAACATCAAAGCGATCATACTTATGAAATAATGACTTCAGATTTTCCTGTC
CTTGATCCCAGCTGGACTGCTCAAGAAGAAATGGCCCTTTTAGAAGCTGTGATGGACTGTGGCTTTGGAA
ATTGGCAGGATGTAGCCAATCAAATGTGCACCAAGACCAAGGAGGAGTGTGAGAAGCACTATATGAAGCA
TTTCATCAATAACCCTCTGTTTGCATCTACCCTGCTGAACCTGAAACAAGCAGAGGAAGCAAAAACTGCT
GACACAGCCATTCCATTTCACTCTACAGATGACCCTCCCCGACCTACCTTTGACTCCTTGCTTTCTCGGG
ACATGGCCGGGTACATGCCAGCTCGAGCAGATTTCATTGAGGAATTTGACAATTATGCAGAATGGGACTT
GAGAGACATTGATTTTGTTGAAGATGACTCGGACATTTTACATGCTCTGAAGATGGCTGTGGTAGATATC
TATCATTCCAGGTTAAAGGAGAGACAAAGACGAAAAAAAATTATAAGAGACCATGGATTAATCAACCTTA
GAAAGTTTCAATTAATGGAACGGCGGTATCCCAAGGAGGTCCAGGACCTGTATGAAACAATGAGGCGATT
TGCAAGAATTGTGGGGCCAGTGGAACATGACAAATTCATTGAAAGCCATGCATTGGAATTTGAACTCCGA
AGGGAAATCAAGAGGCTCCAAGAATACAGGACAGCAGGCATTACCAATTTTTGTAGTGCCAGAACCTACG
ATCACCTCAAGAAGACACGGGAGGAAGAGCGCCTTAAACGCACTATGCTCTCAGAAGTTCTCCAGTATAT
CCAGGACAGTAGTGCTTGCCAGCAGTGGCTCCGCCGGCAAGCTGACATTGATTCCGGCCTGAGTCCTTCC
ATTCCAATGGCTTCGAATTCAGGTAGACGGAGTGCACCACCCTTGAACCTCACTGGCCTCCCTGGCACAG
AGAAGCTGAATGAAAAAGAAAAGGAGCTCTGTCAGATGGTGAGGTTGGTCCCTGGAGCCTATTTAGAATA
CAAATCTGCTCTATTGAACGAATGTAACAAGCAAGGAGGCTTAAGACTGGCGCAGGCAAGAGCACTCATC
AAGATAGATGTGAACAAAACCCGGAAAATCTATGATTTCCTCATCAGAGAAGGATACATCACTAAAGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC204042 protein sequence
Red=Cloning site Green=Tags(s)

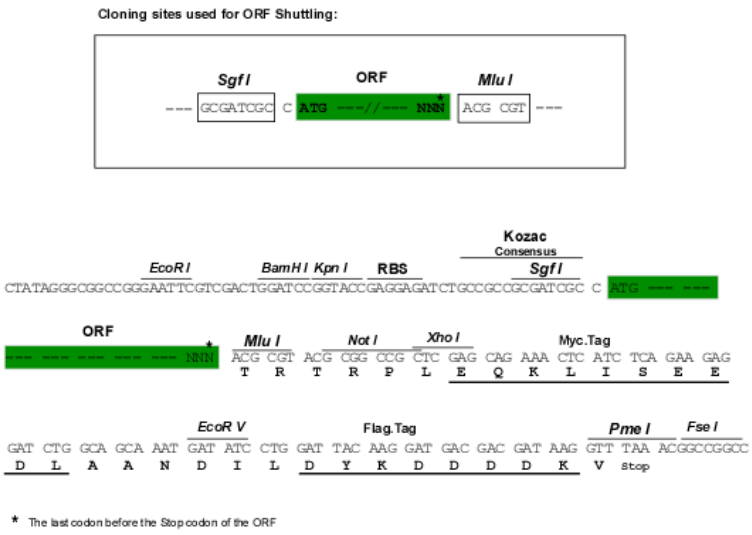
MDRLGSFSNDPSDKPPCRGCSSYLMEPYIKCAECGPPPFFLCLQCFTRGFEYKKHQSDHTYEIMTSDFPV
LDPSWTAQEEMALLEAVMDCGFGNWQDVANQMCTKTKEECEKHYMKHFINNPLFASTLLNLKQAEEAKTA
DTAIPFHSTDDPPRPTFDSLLSRDMAGYMPARADFIEEFDNYAEWDLRDIDFVEDDSDILHALKMAVVDI
YHSRLKERQRRKKIIRDHGLINLRKFQLMERRYPKEVQDLYETMRRFARIVGPVEHDKFIESHALEFELR
REIKRLQEYRTAGITNFCSARTYDHLKKTREEERLKRTMLSEVLQYIQDSSACQQWLRRQADIDSGLSPS
IPMASNSGRRSAPPLNLTGLPGTEKLNEKEKELCQMVRLVPGAYLEYKSALLNECNKQGGLRLAQARALI
KIDVNKTRKIYDFLIREGYITKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** https://cdn.origene.com/chromatograms/mk6566_d01.zip

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**ACCN:** NM_001488

**ORF Size:** 1329 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_001488.4, NP_001479.4

**RefSeq Size:** 1886 bp

**RefSeq ORF:** 1332 bp

**Locus ID:** 6871

**UniProt ID:** O75478

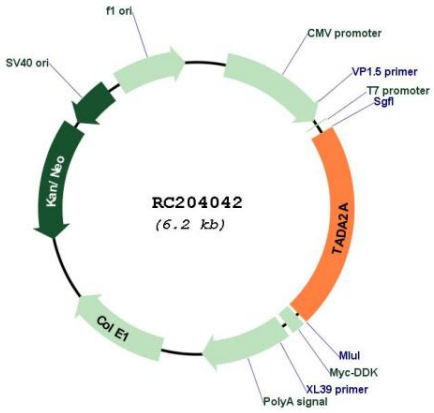
**Cytogenetics:** 17q12

**Protein Families:** Transcription Factors

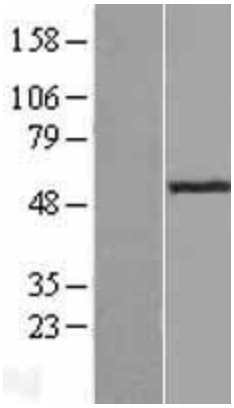
**MW:** 51.5 kDa

**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]

## Product images:




Circular map for RC204042




Western blot validation of overexpression lysate (Cat# [LY431926]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC228898] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).