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Product datasheet for RG200580

ADA2a (TADA2A) (NM_133439) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADA2a (TADA2A) (NM_133439) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADA2a
Synonyms:	ADA2; ADA2A; hADA2; KL04P; TADA2L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG200580 representing NM_133439
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCGTTTGGGTTCCTTTAGCAATGATCCCTCTGATAAGCCACCTTGCCGAGGCTGCTCCTCCTACC
TCATGGAGCCTTATATCAAGTGTGCTGAATGTGGGCCACCTCCTTTTTTCCTCTGCTTGCAGTGTTTCAC
TCGAGGCTTTGAGTACAAGAAACATCAAAGCGATCATACTTATGAAATAATGACTTCAGATTTTCCTGTC
CTTGATCCCAGCTGGACTGCTCAAGAAGAAATGGCCCTTTTAGAAGCTGTGATGGACTGTGGCTTTGGAA
ATTGGCAGGATGTAGCCAATCAAATGTGCACCAAGACCAAGGAGGAGTGTGAGAAGCACTATATGAAGTA
TTTCATCAATAACCCTCTGTTTGCATCTACCCTGCTGAACCTGAAACAAGCAGAGGAAGCAAAAACTGCT
GACACAGCCATTCCATTTCACTCTACAGATGACCCTCCCCGACCTACCTTTGACTCCTTGCTTTCTCGGG
ACATGGCCGGGTACATGCCAGCTCGAGCAGATTTCATTGAGGAATTTGACAATTATGCAGAATGGGACTT
GAGAGACATTGATTTTGTTGAAGATGACTCGGACATTTTACATGCTCTGAAGATGGCTGTGGTAGATATC
TATCATTCCAGGTTAAAGGAGAGACAAAGACGAAAAAAAATTATAAGAGACCATGGATTAATCAACCTTA
GAAAGTTTCAATTAATGGAACGGCGGTATCCCAAGGAGGTCCAGGACCTGTATGAAACAATGAGGCGATT
TGCAAGAATTGTGGGGCCAGTGGAACATGACAAATTCATTGAAAGCCATGCATGTAGGTGGTTTTTGAGC
CTTGAGCAGTATTTGTGTGTGTATATTTATATAAATAGGAGAGATAATGGTGTGTTTTATGTGAAGTTCT
ATAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

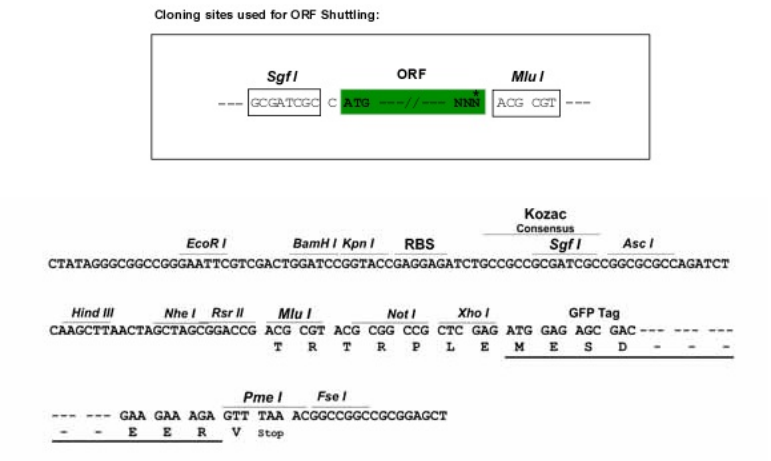
>RG200580 representing NM_133439
Red=Cloning site Green=Tags(s)

MDRLGSFSNDPSDKPPCRGCSSYLMEPYIKCAECGPPPFFLCLQCFTRGFEYKKHQSDHTYEIMTSDFPV
LDPSWTAQEEMALLEAVMDCGFGNWQDVANQMCTKTKEECEKHYMKYFINNPLFASTLLNLKQAEEAKTA
DTAIPFHSTDDPPRPTFDSLLSRDMAGYMPARADFIEEFDNYAEWDLRDIDFVEDDSDILHALKMAVVDI
YHSRLKERQRRKKIIRDHGLINLRKFQLMERRYPKEVQDLYETMRRFARIVGPVEHDKFIESHACRWFLS
LEQYLCVYIYINRRDNGVFYVKFYK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133439

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:
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_133439.2, NP_597683.2

RefSeq Size: 1327 bp

RefSeq ORF: 918 bp

Locus ID: 6871

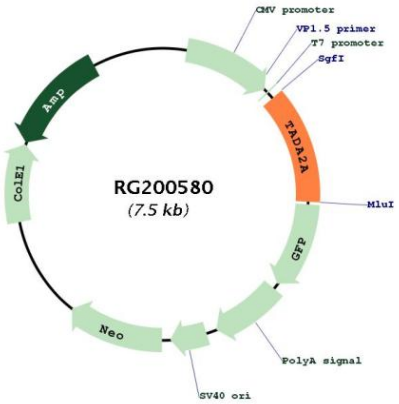
UniProt ID: O75478

Cytogenetics: 17q12

Protein Families: Transcription Factors

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 RG200580