

Product datasheet for **RC236335**

TRA2A (NM_001282758) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TRA2A (NM_001282758) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TRA2A
Synonyms: AWMS1; HSU53209
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236335 representing NM_001282758
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTAACCGGAGAAGACATACTGGCAGCAGGGCAAATCCAGATCCCAACACTGCCTTGGAGTGTGTTG
GCCTCAGTTTGTACACAACAGAGAGGGATCTTCGTGAAGTATTTTCTCGATATGGACCATTGAGTGGTGT
CAATGTGGTTTATGATCAGCGAACTGGCGATCTCGAGGATTTGCTTTTGTGATTTTGTAGAGAATAGAT
GACTCAAAGGAGGCTATGGAAAGGGCAAATGGAATGGAGCTGGATGGTAGAAGAATTCGGGTGGATTATT
CTATAACCAAGAGAGCGCACACCAACACCAGGCATCTACATGGGCAGACCAACTCATAGTGGTGGGGG
TGGTGGAGGAGCGCGCGGTGGAGGTGGAGGTGGTGGCAGACGTCGAGATTCTTACTATGATAGAGGA
TATGATCGTGGGTATGACAGATATGAAGACTATGATTACCGATACAGAAGACGATCACCTTCTCCTTATT
ATAGTCGATATAGATCACGATCAAGATCTGTTCTACAGCCCAAGACGCTAT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236335 representing NM_001282758
Red=Cloning site Green=Tags(s)

MSNRRRHGTSRANPDPNTCLGVFGLSLYTERDLREVFSRYGPLSGVNVVYDQRTGRSRGFVYFERID
DSKEAMERANGMELDGRRIKRVYDYSITKRAHTPTPGIYMGRPTHSGGGGGGGGGGGGGRRRDSYYDRG
YDRGYDRYEDYRYRRRSPSPYYSRYRSRSRSRSPRRY

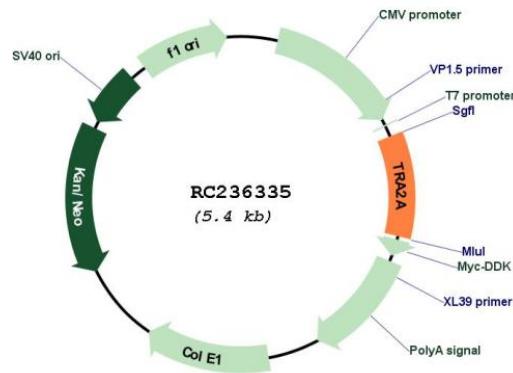
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001282758

ORF Size: 543 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:	<u>NM_001282758.1</u> , <u>NP_001269687.1</u>
RefSeq Size:	1956 bp
RefSeq ORF:	546 bp
Locus ID:	29896
UniProt ID:	<u>Q13595</u>
Cytogenetics:	7p15.3
Protein Pathways:	Spliceosome
MW:	21.2 kDa
Gene Summary:	This gene is a member of the transformer 2 homolog family and encodes a protein with several RRM (RNA recognition motif) domains. This phosphorylated nuclear protein binds to specific RNA sequences and plays a role in the regulation of pre-mRNA splicing. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2013]