

## Product datasheet for **RC236334**

### TRA2A (NM\_001282757) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TRA2A (NM\_001282757) 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:** >RC236334 representing NM\_001282757  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCTAACCGGAGAAGACATACTGGCAGCAGGGCAAATCCAGATCCCAACACTTGCCTTGGAGTGTTTG  
GCCTCAGTTTGTACACAACAGAGAGGGATCTTCGTGAAGTATTTTCTCGATATGGACCATTGAGTGGTGT  
CAATGTGGTTTATGATCAGCGAACTGGCGATCTCGAGGATTTGCTTTTGTGATTTTGTAGAGAATAGAT  
GACTCAAAGGAGGCTATGGAAAGGGCAAATGGAATGGAGCTGGATGGTAGAAGAATTCGGGTGGATTATT  
CTATAACCAAGAGAGCGCACACCAACACCAGGCATCTACATGGGCAGACCAACTCATAGTGGTGGGGG  
TGGTGGAGGAGCGCGCGGTGGAGGTGGAGGTGGTGGCAGACGTCGAGATTCTTACTATGATAGAGGA  
TATGATCGTGGGTATGACAGATATGAAGACTATGATTACCGATACAGAAGACGATCACCTTCTCCTTATT  
ATAGTCGATATAGATCACGATCAAGATCTGTTCTACAGCCCAAGACGCTAT

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236334 representing NM\_001282757  
Red=Cloning site Green=Tags(s)

MSNRRRHTGSRANPDPNTCLGVFGLSLYTERDLREVFSRYGPLSGVNVVYDQRTGRSRGFVYFERID  
DSKEAMERANGMELDGRRIKRVDSITKRAHTPTPGIYMGRPTHSGGGGGGGGGGGGGRRRDSYYDRG  
YDRGYDRYEDYRYRRRSPSPYYSRYRSRSRSRSPRRY

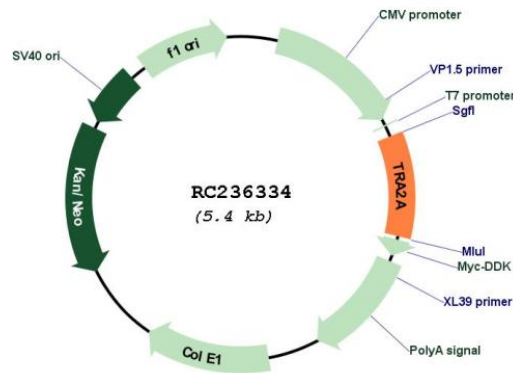
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001282757

**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001282757.1</a></u> , <u><a href="#">NP_001269686.1</a></u>
<b>RefSeq Size:</b>	2167 bp
<b>RefSeq ORF:</b>	546 bp
<b>Locus ID:</b>	29896
<b>UniProt ID:</b>	<u><a href="#">Q13595</a></u>
<b>Cytogenetics:</b>	7p15.3
<b>Protein Pathways:</b>	Spliceosome
<b>MW:</b>	21.2 kDa
<b>Gene Summary:</b>	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]