

## Product datasheet for **RG236335**

### TRA2A (NM\_001282758) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TRA2A (NM\_001282758) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TRA2A  
**Synonyms:** AWMS1; HSU53209  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236335 representing NM\_001282758.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTAACCGGAGAAGACATACTGGCAGCAGGGCAAATCCAGATCCCAACACTTGCCTTGGAGTGTTC
GGCCTCAGTTTGTACACAACAGAGAGGGATCTTCGTGAAGTATTTCTCGATATGGACCATTGAGTGGT
GTCAATGTGGTTTATGATCAGCGAACTGGGCGATCTCGAGGATTTGCTTTTGTGATTTTGGAGAGAATA
GATGACTCAAAGGAGGCTATGGAAAGGGCAAATGGAATGGAGCTGGATGGTAGAAGAATTCGGGTGGAT
TATTCTATAACCAAGAGAGCGCACACCAACACCAGGCATCTACATGGCAGACCAACTCATAGTGGT
GGGGGTGGTGGAGAGGGCGCGCGGTGGAGGTGGAGGTGGTGGCAGACGTCGAGATTCTACTATGAT
AGAGGATATGATCGTGGTATGACAGATATGAAGACTATGATTACCGATACAGAAGACGATCACCTTCT
CCTTATTATAGTCGATATAGATCAGATCAAGATCTCGTTCCTACAGCCCAAGACGCTAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236335  
Blue=ORF Red=Cloning site Green=Tag(s)

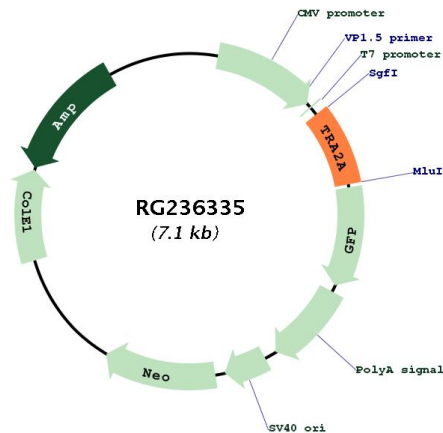
```
MSNRRRHTGSRANPDPNTCLGVFGLSLYTTERDLREVF SRYGPLSGVNVVYDQRTGRSRGF AFVYFERI
DDSKEAMERANGMELDGRRI RVDYSITKRAHTPTPGIYMRP THSGGGGGGGGGGGGGRRRDSYYD
RGYDRGYDRYEDYDRYRRRSPSPYYSRYRSRSRSYSPRRY
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI



[View online >](#)

**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.

<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>RefSeq:</b>	<a href="#">NM_001282758.1</a> , <a href="#">NP_001269687.1</a>
<b>RefSeq Size:</b>	1956 bp
<b>RefSeq ORF:</b>	546 bp
<b>Locus ID:</b>	29896
<b>UniProt ID:</b>	<a href="#">Q13595</a>
<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]