

Product datasheet for **RG236334**

TRA2A (NM_001282757) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TRA2A (NM_001282757) 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: >RG236334 representing NM_001282757.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTGAAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTAACCGGAGAAGACATACTGGCAGCAGGGCAAATCCAGATCCCAACACTTGCCTTGGAGTGTTC
GGCCTCAGTTTGTACACAACAGAGAGGGATCTTCGTGAAGTATTTCTCGATATGGACCATTGAGTGGT
GTCAATGTGGTTTATGATCAGCGAACTGGGCGATCTCGAGGATTTGCTTTTGTGATTTTGTAGAGAATA
GATGACTCAAAGGAGGCTATGGAAAGGGCAAATGGAATGGAGCTGGATGGTAGAAGAATTCGGGTGGAT
TATTCTATAACCAAGAGAGCGCACACCAACACCAGGCATCTACATGGCAGACCAACTCATAGTGGT
GGGGTGGTGGAGGAGGCGCGCGGTGGAGGTGGAGGTGGTGGCAGACGTCGAGATTCTACTATGAT
AGAGGATATGATCGTGGTATGACAGATATGAAGACTATGATTACCGATACAGAAGACGATCACCTTCT
CCTTATTATAGTCGATATAGATCAGATCAAGATCTCGTTCCTACAGCCAAGACGCTAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236334
Blue=ORF Red=Cloning site Green=Tag(s)

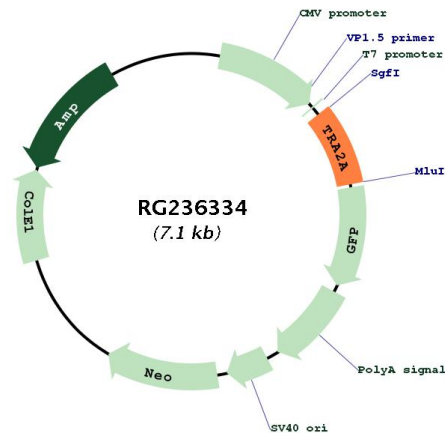
```
MSNRRRHTGSRANPDPNTCLGVFGLSLYTTERDLREVF SRYGPLSGVNVVYDQRTGRSRGFVYFERI
DDSKEAMERANGMELDGRRI RVDYSITKRAHTPTPGIYMRP THSGGGGGGGGGGGGGRRRDSYYD
RGYDRGYDRYEDYDRYRRRSPSPYYSRYSRSRSRSYSPRRY
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

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.

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).
RefSeq:	NM_001282757.1 , NP_001269686.1
RefSeq Size:	2167 bp
RefSeq ORF:	546 bp
Locus ID:	29896
UniProt ID:	Q13595
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]