

Product datasheet for **RG202359**

TRA2A (NM_013293) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRA2A (NM_013293) 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:	>RG202359 representing NM_013293 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGATGTGGAGGAAAACAACCTTCGAGGGCAGAGAGTCTCGTCTCAGTCAAATCTCCAACGGAA
CTCCTGCTCGTGTAAAATCGGAGAGCAGGTCAGGATCTCGTAGTCCATCAAGGGTTTCAAACACTCTGA
ATCCCATTCTCGATCAAGATCAAATCCAGGTCGAGGTCAGGAGACATTCTCATAGACGTTACACTCGA
TCCAGATCCCCTCTCACTCTCATAGGAGACGATCTCGAAGTAGATCATATACACCAGAATACCGCGGC
GAAGGAGCCGAAGCCATTCTCCAATGTCTAACCGGAGAAGACATACTGGCAGCAGGGCAAATCCAGATCC
CAACACTTGCCTTGGAGTGTGGCCTCAGTTGTACACAACAGAGAGGGATCTTCGTGAAGTATTTTCT
CGATATGGACCATTGAGTGGTGTCAATGTGTTTATGATCAGCGAACTGGGCGATCTCGAGATTGCTT
TTGTGATTTTGGAGAAATAGATGACTCAAAGGAGGCTATGAAAAGGGCAAATGGAATGGAGCTGGATGG
TAGAAGAATTCGGGTGGATTATTCTATAACCAAGAGAGCGCACACCAACACCAGGCATCTACATGGGC
AGACCAACTCATAGTGGTGGGGTGGTGGAGGAGCGCGCGGTGGAGGTGGAGGTGGTGGCAGACGTC
GAGATTCTACTATGATAGAGGATATGATCGTGGGTATGACAGATATGAAGACTATGATTACCGATACAG
AAGACGATCACCTTCTCCTTATTATAGTCGATATAGATCAGATCAAGATCTCGTTCCTACAGCCCAAGA
CGCTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202359 representing NM_013293
 Red=Cloning site Green=Tags(s)

MSDVEENNFEGRSRSQSKSPTGTPARVKSESRSGSRSPSRVSKHSESHSRSRKSRSRSRRRHSHRRYTR
 SRSHSHSHRRRSRSRSTPEYRRRRSRSHSPMSNRRRHTGSRANPDPNTCLGVFGLSLYTTTERDLREVFS
 RYGPLSGVNVVYDQRTGRSRGFVYVFERIDDSKEAMERANGMELDGRRIRVDYSITKRAHTPTPGIYMG
 RPTHSGGGGGGGGGGGGGGGRRRDSYDRGYDRGYDRYEDYDRYRRRSPSPYYSRYRSRSRSRYSYSPR
 RY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013293

ORF Size: 846 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_013293.5](#)

RefSeq Size: 1852 bp

RefSeq ORF: 849 bp

Locus ID: 29896

UniProt ID: [Q13595](#)

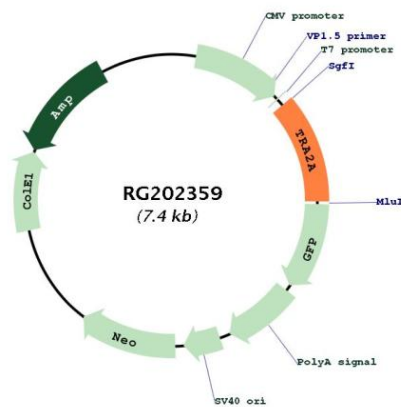
Cytogenetics: 7p15.3

Domains: RRM

Protein Pathways: Spliceosome

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]

Product images:



Circular map for RG202359