

Product datasheet for **RG212327**

AGTRAP (NM_001040197) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AGTRAP (NM_001040197) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: AGTRAP
Synonyms: ATRAP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG212327 representing NM_001040197
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGCCTGCTGTGAACCTGAAGGTGATTCTCCTAGGCTACTGGCTGCTGACAACCTGCTTCTGGA
GACATTTCTCTGCCAAACCAAGACTGGAACCATTGAGCTCACCTGTGCACTTTGCAAACCTCGAAGTGC
AGCGCACAGGGCAACAGCTGGGCTGCATTGTATTCTCAGGCTCCTATGCCTGGGCCAACTCACCATCCT
GGCCTTGGGCGTGTGGGCTGTGGCTCAGCGGGACTCCATCGACGCCATAAGCATGTTTCTGGGTGGCTT
CTGGCCACCATCTTCTGGACATCGTGACATCAGCATCTTCTACCCGCGGGTCAGCCTCACGGACACGG
GCCGCTTTGGCGTGGGCATGGCCATCCTCAGCTTGTCTCAAGCCGCTCTCTGCTGCTTCTGCTACCA
CATGTACCGGGAGCGCGGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212327 representing NM_001040197
Red=Cloning site Green=Tags(s)

MELPAVNLKVILLGHWLLTTCFWRHFSAPRLETIELTCALCKLRSAAHRATAGLHCILRLLCLGQLHHP
GLGRVCGGSAGLHRRHKHVSGWLAGHLLPGHRAHQHLLPAGQPHGHGPLWRGHGHPQLAAQAALLLRLP
HVPGARG

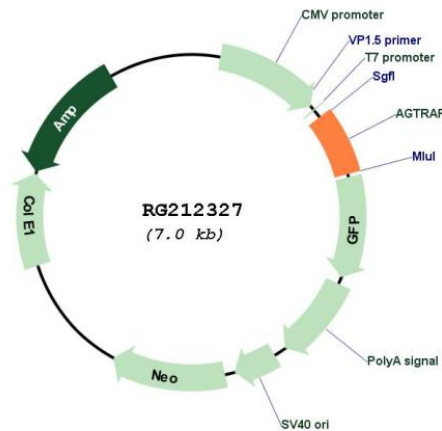
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001040197

ORF Size: 441 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_001040197.1</u> , <u>NP_001035287.1</u>
RefSeq Size:	1297 bp
RefSeq ORF:	444 bp
Locus ID:	57085
UniProt ID:	<u>Q6RW13</u>
Cytogenetics:	1p36.22
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a transmembrane protein localized to the plasma membrane and perinuclear vesicular structures. The gene product interacts with the angiotensin II type I receptor and negatively regulates angiotensin II signaling. Alternative splicing of this gene generates multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]