

Product datasheet for **RG231898**

TOR2A (NM_001252018) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TOR2A (NM_001252018) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TOR2A
Synonyms: TORP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231898 representing NM_001252018
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACAAGATGCCCCAGGCCTGATGGAAGTCCTGCGGCCTTCTCTGGGCTCCTCTGGGTGGTATACG
 GGACCAATTACCGCAAAGCCATCTTCATCTTCATCAGCAACACGGGTGGCGAGCAGATCAACCAGGTGGC
 ATTGGAGCGTGGCGCAGCCGGCGGGACCGCGAGGAGATCCTCCTGCAGGAGCTGGAGCCGGTCATCTCC
 CGCGCGGTGCTGGACAACCCGCACCATGGCTTCTCAAACCTCGGGCATCATGGAAGAGCGCCTCCTAGACG
 CAGTGGTGCCTTCTCCCGCTCCAGCGCACACGTCCGGCACTGCGTGCTCAACGAGCTGGCCCAGCT
 GGGCCTGGAGCCAAGGGATGAGGTTGTCCAGGCTGTGCTGGACAGCACCTTCTTCCCTGAAGACGAG
 CAGCTCTTCTCCTCCAACGGCTGCAAGACCGTGGCCTCCCGAATCGCCTTCTTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231898 representing NM_001252018
 Red=Cloning site Green=Tags(s)

MDKMPPGLMEVLRPFLGSSWVYGTNYRKAIFIFISNTGGEQINQVALEAWRSRRDREEILLQELEPVIS
 RAVLDNPHHGFNSNGIMEERLLDAVVPFLPLQRHHVHRHCVLNELAQLGLEPRDEVVQAVLDSTTFPEDE
 QLFSSNGCKTVASRIAFFL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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_001252018.1, NP_001238947.1</u>
RefSeq Size:	1322 bp
RefSeq ORF:	480 bp
Locus ID:	27433
UniProt ID:	<u>Q5JU69</u>
Cytogenetics:	9q34.11
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	This gene encodes a member of the AAA family of adenosine triphosphatases with similarity to Clp proteases and heat shock proteins. Alternative splicing at this locus results in the translation of multiple isoforms of the encoded protein, some of which contain salusin peptides in the C-terminal region. These peptides may play roles in hypotension, myocardial growth and the induction of mitogenesis, and may also be involved in the pathogenesis of atherosclerosis. The antimicrobial peptide salusin-beta has antibacterial activity. [provided by RefSeq, Nov 2014]