

Product datasheet for **RG218493**

TOR2A (NM_130459) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: TOR2A (NM_130459) 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: >RG218493 representing NM_130459
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCTGCGACGCGCGGCTGCCGGCCCTGGGGCTCGCTCCTCGGGCTGCTCGGGCTGGTCTCGGCCG
 CGGCCCGCCCTGGGACCTGGCTTCCCTGCGCTGCACCTGGGCGCCTTTTGCGAATGCGACTTCCGGCC
 CGACTTGGCGGGTCTGGAGTGTGACCTGGCTCAGCACCTGGCCGCCAGCATCTGGCCAAGGCGCTGGT
 GTGAAGGCGCTGAAGGCCTTTGTGCGGGACCCAGCCCCACCAAGCCGCTGGTCTCTCCCTGCACGGCT
 GGACCGGCACCGCAAATCCTATGTCAGCTCCCTGCTGGCGCACTACCTCTCCAGGGCGGCTCCGCAG
 CCCCCGGTGCACCACTTTCTCCCGTCTCCACTTCCCCACCCAGCCACATCGAGCGCTACAAGAAG
 GATCTGAAGAGCTGGGTCCAAGGGAACCTCACTGCCTGTGGCCGCTCCCTCTTCCGATGAGATGG
 ACAAGATGCCCCAGGCCTGATGGAAGTCTGCGGCCTTTCTGGGCTCCTCCTGGGTGGTATACGGGAC
 CAATTACCGCAAAGCCATCTTCACTTTCATCAGGTGGGGCCCGCTTTCAGTGGGCACAGTGGGGGGG
 CACTTCTCAGAGGTTAGCTCTACAGCCTTAGCCTGTGCTCCCAGCAGAATCCAGTTCCCATGGGCTTA
 GCTGGGCTTTCCAGTGCCTCCGCCACTCTCAGAGATGACATTGTCATTCCGCCTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG218493 representing NM_130459
 Red=Cloning site Green=Tags(s)

MAAATRGCRPWGSLGLGLVSAAAAWDLASLRCTLGAFCECDLPGLECDLAQHLAQHLAKALV
 VKALKAFVRDPAPTKPLVLSLHGWTGTGKSYVSSLLAHYLFQGLRSPRVHHFSPVLHFPHPSHIERykk
 DLKSWVQGNLTACGRSLFLFDEMCKMPPGLMEVLRPFLGSSWVYGTNYRKAIFIFIRWGPALQWAQWGG
 HFSEVQLYSLSLCSQNPVPHGLSWAFPVPSATLRDDIVIPPG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_130459

ORF Size: 759 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_130459.4](#)

RefSeq Size: 2566 bp

RefSeq ORF: 762 bp

Locus ID: 27433

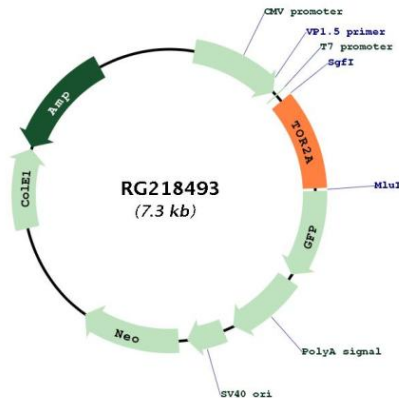
UniProt ID: [Q5IU69](#)

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]

Product images:



Circular map for RG218493