

Product datasheet for **RC231898**

TOR2A (NM_001252018) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TOR2A (NM_001252018) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TOR2A
Synonyms: TORP1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231898 representing NM_001252018
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACAAGATGCCCCAGGCCTGATGGAAGTCTGCGGCCTTCTCTGGGCTCCTCTGGGTGGTATACG
GGACCAATTACCGCAAAGCCATCTTCATCTTCATCAGCAACACGGGTGGCGAGCAGATCAACCAGGTGGC
ATTGGAGCGTGGCGCAGCCGGCGGACCGCGAGGAGATCTCCTGCAGGAGCTGGAGCCGGTCATCTCC
CGCGCGGTGCTGGACAACCCGCACCATGGCTTCTCAAACCTCGGGCATCATGGAAGAGCGCCTCCTAGACG
CAGTGGTGGCCTTCTCCGCTCCAGCGCACCCAGTCCGGCACTGCGTGCTCAACGAGCTGGCCAGCT
GGGCTGGAGCCAAGGATGAGGTTGTCCAGGCTGTGCTGGACAGCACCTTCTTCCCTGAAGACGAG
CAGCTCTTCTCTCCAACGGCTGCAAGACCGTGGCCTCCCGAATCGCCTTCTTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231898 representing NM_001252018
Red=Cloning site Green=Tags(s)

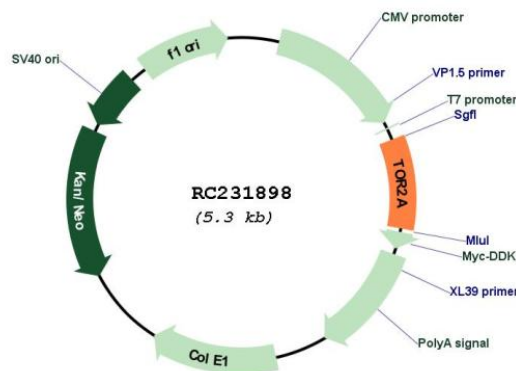
MDKMPPGLMEVLRPFLGSSWVYGTNYRKAIFIFISNTGGEQINQVALEAWRSRRDREEILLQELEPVIS
RAVLDNPHHGFNSNGIMEERLLDAVVPFLPLQRHHVHRHCVLNELAQLGLEPRDEVVQAVLDSTTFPEDE
QLFSSNGCKTVASRIAFFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001252018

ORF Size: 477 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_001252018.1</u> , <u>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
MW:	18.6 kDa
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]