

## Product datasheet for **SC316182**

### TOR2A (NM\_001085347) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TOR2A (NM\_001085347) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TOR2A  
**Synonyms:** TORP1  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL4  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001085347 edited  
 CGGATGGCGGCTGCGACGCGCGCTGCCGGCCCTGGGGCTCGCTCCTCGGGCTGCTCGGG  
 CTGGTCTCGGCCGCGGCCGCGCTGGGACCTGGCTTCCCTGCGCTGCACCTTGGGCGCC  
 TTTTGCGAATGCGACTTCCGGCCGACTTGCCGGTCTGGAGTGTGACCTGGCTCAGCAC  
 CTGGCCGGCCAGCATCTGGCCAAGGCGCTGGTGGTGAAGGCGCTGAAGGCCTTTGTGCGG  
 GACCCAGCCCCACCAAGCCGCTGGTCCTCTCCCTGCACGGCTGGACCGCACCGGCAAA  
 TCCTATGTGACCTCCCTGCTGGCGCACTACCTCTTCCAGGGCGGCTCCGACGCCCCGC  
 GTGCACCACTTTTCTCCCGTCTCCACTCCCCACCCAGCCACATCGAGCGCTACAAG  
 AAGGATCTGAAGAGCTGGGTCCAAGGAACTCACTGCCTGTGGCCGCTCCCTCTCCTC  
 TTCGATGAGATGGACAAGATGCCCCAGGCCTGATGGAAGTCTGCGGCCTTTCCTGGC  
 TCCTCCTGGGTGTATACGGGACCAATTACCGCAAAGCCATCTTCATCTTCATCAGCAAC  
 ACGGGTGGCGAGCAGATCAACCAGGTGGCATTGGAGGCGTGGCGCAGCCGGCGGGACCGC  
 GAGGAGATCCTCCTGCAGGAGCTGGAGCCGGTCACTCCCGCGCGGTGCTGGACAACCCG  
 CACCATGGCTTCTCAAACCTCGGGCATCATGGAAGAGCGCCTCCTAGACGAGTGGTGCC  
 TTCTCCTCCGCTCCAGCGGCACCACTCCGGCACTGCGTGTCAACGAGCTGGCCAGCTG  
 GGCCTGGAGCCAAAGGATGAGGTTGTCCAGGCTGTGCTGGACAGCACCACCTTCTCCCT  
 GAAGACGAGCAGCTTCTCCTCCAACGGCTGCAAGACCGTGGCTCCCGAATCGCCTTC  
 TTCCTGTGACTCTGTAGTGGTGTCTCGGCCCCCTGATGGCCAGGCCATGCAGGAAAG  
 GCCAGGGCCTCTGTACAGGAACCCAGAGCACCAGTGAAGTGAACGGAGTGTGCGGTA  
 GGCCACGGGACAGATGGCCAGGAAGGGCCCTGGCCTCTAAACTGGCTCGAGAGCATCTTG  
 GCCCGGGCCACCTTCCCCAGGAAACCCCTGGTACCCCCAGAACCCTCACTGAGCCTTGAC  
 CTCCCCCTGCAGCCTGAGCCTTCTTACTGTGAATTATAACTCAGGGACTGTGGCTCGTGG  
 CGGTGCTCCCTCCTCAGTCTGCCACCCTTGCCCCCTGGCTCCTTGGTCCGGCACCATAAC  
 TCCTCCCTCCACCCACACCCTGTGTCCATATCAAGCCAGGTGGAGCCTTCTCAGTTTC  
 CAGAAATGGAGGGACTCAAGCTGCCACTTGGGCCTGGTTTTAGATGTTTTAATTTTGTG  
 AAAGAAAACAAGTATAATAAACTCAGCTGTGGACCAGA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001085347
<b>Insert Size:</b>	1500 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001080347.1.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001085347.1</a></u> , <u><a href="#">NP_001078816.1</a></u>
<b>RefSeq Size:</b>	1531 bp
<b>RefSeq ORF:</b>	966 bp
<b>Locus ID:</b>	27433
<b>UniProt ID:</b>	<u><a href="#">Q5JU69</a></u>
<b>Cytogenetics:</b>	9q34.11
<b>Protein Families:</b>	Secreted Protein, Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a).</p>