

## Product datasheet for **SC330263**

### TOR2A (NM\_001252023) Human Untagged Clone

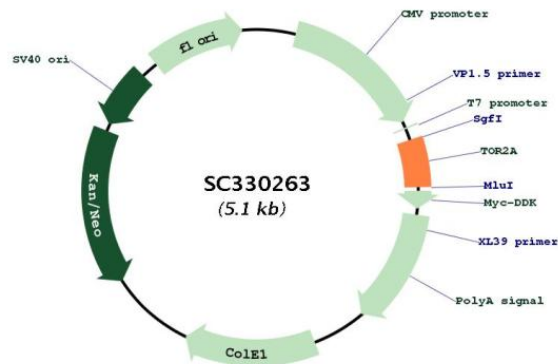
#### Product data:

Product Type: Expression Plasmids  
 Product Name: TOR2A (NM\_001252023) Human Untagged Clone  
 Tag: Tag Free  
 Symbol: TOR2A  
 Synonyms: TORP1  
 Vector: pCMV6-Entry (PS100001)  
 Fully Sequenced ORF: >SC330263 representing NM\_001252023.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGACAAGATGCCCCAGGCCTGATGGAAGTCTGCGGCCTTTCCTGGGCTCCTCTGGGTGGTATAC  
 GGGACCAATTACCGCAAAGCCATCTTCATCTTCATCAGATGGCTTCTCAAACCTCGGGCATCATGGAAGA  
 GCGCTCCTAGACGCAGTGGTGCCTTCTCCCGCTCCAGCGGCACCACGTCGGCACTGCGTGCTCAA  
 CGAGCTGGCCAGCTGGGCTGGAGCCAAGGGA TGA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001252023

Insert Size: 243 bp



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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>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>                | <a href="#">NM_001252023.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>           | 1194 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq ORF:</b>            | 243 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Locus ID:</b>              | 27433                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID:</b>            | <a href="#">Q5JU69</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cytogenetics:</b>          | 9q34.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Families:</b>      | Secreted Protein, Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MW:</b>                    | 8.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <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 (5) lacks two exons and uses a downstream, in-frame start codon, compared to variant 1. The encoded isoform (e) is significantly shorter and has a distinct C-terminus, compared to isoform a.</p> |