

## Product datasheet for **SC306336**

### TROY (TNFRSF19) (NM\_148957) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TROY (TNFRSF19) (NM_148957) Human Untagged Clone
Tag:	Tag Free
Symbol:	TROY
Synonyms:	TAJ; TAJ-alpha; TRADE; TROY
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_148957 edited  
 ATGGCTTTAAAAGTGCTACTAGAACAAAGAGAAAACGTTTTTCACTCTTTTAGTATTACTA  
 GGCTATTTGTGCATGTAAAGTGACTTGTGAATCAGGAGACTGTAGACAGCAAGAATTCAGG  
 GATCGGTCTGGAAACTGTGTTCCCTGCAACCAAGTGTGGGCCAGGCATGGAGTTGTCTAAG  
 GAATGTGGCTTCGGCTATGGGGAGGATGCACAGTGTGTGACGTGCCGGCTGCACAGGTTT  
 AAGGAGGACTGGGGCTTCCAGAAATGCAAGCCCTGTCTGGACTGCGCAGTGGTGAACCGC  
 TTTTCAAGAGGCAAATTGTTCCAGCCACCAGTGTGCCATCTGCGGGGACTGCTTCCAGGA  
 TTTTATAGGAAGACGAACTTGTCCGGCTTCAAGACATGGAGTGTGTGCCTTGTGGAGAC  
 CCTCCTCCTCCTACGAACCGCACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGCGTCC  
 ACGGCCTCCAGCCACGGGACACGGCGCTGGCTGCCGTTATCTGCAGCGCTCTGGCCACC  
 GTCCTGTGGCCCTGCTCATCCTCTGTGTATCTATTGTAAGAGACAGTTTATGGAGAAG  
 AAACCCAGCTGGTCTCTGCGGTGCGAGGACATTAGTACAACGGCTCTGAGCTGTGCTGT  
 TTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCCTGCTGCCAGTCCGCCCGTGAC  
 TCAGTGCAGACCTGCGGGCCGGTGCCTTGTCTCCATCCATGTGCTGTGAGGAGGCTGC  
 AGCCCCAACCCGGCGACTCTTGTTGTGGGGTGCATTCTGCAGCCAGTCTTCAGGCAAGA  
 AACGCAGGCCAGCCGGGAGATGGTGGCGACTTTCTTCGGATCCCTCACGCAGTCCATC  
 TGTGGCGAGTTTTAGATGCCTGGCCTCTGATGCAGAATCCCATGGGTGGTGACAACATC  
 TCTTTTTGTGACTCTTATCCTGAACTCACTGGAGAAGACATTCATTCTCTCAATCCAGAA  
 CTTGAAAGCTCAACGCTTTGGATTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT  
 CCAGTCCAGTCTCATTCTGAAAACCTTACAGCAGCTACTGATTTATCTAGATATAACAAC  
 ACACTGGTAGAATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCAGCTAGATCAG  
 GAGAGTGGCGCTGCATCCACCCAGCCACTCAGACGTCCCTCCAGGAAGCTTAA



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_148957 unedited</p> <pre>GGCTCTTTTGTATACGACTCCTATAGGGCGGCCGGAATTCGGCACGAGAAAAAGCTAC AGATCCAGCCACTCAGCCCAAGCATGGGAGAACTACCAGCATTGCCTCATTGCAAAAAAG AGGAGGAAAAACAAGTATCCATGTTTAAACAAAAGAGTCTGTGGACTAGGAGGTGGGAGG GTAACCTACCTGCTGAAAGTGAACCTTTCTTTGATATCCATGCATATATATAAACTCAGCCC TGCCCTTTGATGTTTCAGCAACTGATTCAGTATCAGATTACAGGCATTTTCATCTCCCTGCT CGTCTGCCTTTGATCTGCATGGTTAATTTTATTTTCTGGATTTGAAGTTTCGTCTGGGC TTGTGCTGACATACATTTTTGGGAAGGTAGAAGCATTTGGCACAGAAGTCTGCCAGGAG AAACTAAGTTGCTGAACGGAACCTCCAACAATAATACATTTGATAAGAAAGATGGCTT TAAAAGTGCTACTAGAACAAGAGAAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATT TGTCATGTAAAGTGACTTGTGAATCAGGAGACTGTAGACAGCAAGAATTCAGGGATCGGT CTGGAACTGTGTTCCCTGCAACCAAGTGTGGGCCAGGCATGGAGTTGCTAAGGAATGTG GCTTCGGCTATGGGGAGGATGCACAGTGTGTGACGTGCCGGCTGCACAGGTTCAAGGAGG ACTGGGGCTTCCAGAAAAGCAAGCCCTGTCTGGACTGCGCAGTGGTGAACCGCTTTCAGA AGCAAATTGTTTCAGCCACCAAGTATGCCATCTGCGGGGACTGCTTGCCAGGATTTTATAG GAGACGAAACTTGTGCTTTTCAGACATGGAGTGTGTGCCTTGTGGGAGACCTCCTCCTC CTTACGAACCGCACTGGTGCCAGCAAGGTC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;Forward primer walk for NM_148957 unedited</p> <pre>GACTTTGTGCGTTTTTGCACCTCGCTCCCGAACAGGCTCACAGAGCTCTGCTGCCAGTGC CGCCGTGACTCAGTGCAGACCTGCGGGCCGGTGCCTTGTCCCATCCATGTGCTGTGAG GAGGCCTGCAGCCCCAACCCGGCGACTCTTGGTTGTGGGGTGCATTCTGCAGCCAGTCTT CAGGCAAGAAACGCAGGCCAGCCGGGAGATGGTGCCGACTTTCTTCGGATCCCTCAGC CAGTCCATCTGTGGCGAGTTTTAGATGCCTGGCCTCTGATGCAGAATCCCATGGGTGGT GACAACATCTCTTTTTGTGACTTTATCCTGAACCTCACTGGAGAAGACATTCATTCTCTC AATCCAGAACTTGAAAGCTCAACGTCTTTGGATTCAAATAGCAGTCAAGATTTGGTTGGT GGGGCTGTTCCAGTCCAGTCTCATTCTGAAAACCTTACAGCAGCTACTGATTTATCTAGA TATAACAACACTGGTAGAATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCAG CTAGATCAGGAGAGTGGCGCTGTATCCACCCAGCCACTCAGACGTCCCTCCAGGAAGCT TAAAGAACCTGCTTCTTCTGCAGTAGAAGCGTGTGCTGGAACCCAAAGAGTACTCCTTT GTTAGGCTTATGGACTGAGCAGTCTGGACCTTGCATGGCTTCTGGGGCAAAAATAAATCT GAACCAAACTGACGGCATTGGAAGCCTTTCAGCCAGTTGCTTCTGACCCAGCCAGCTGT AAGCTGAAACCTCAATGAATAACAAGAAAGACTCCAGGCCGACTCATGACTCTGCATC TTTCTACATGAGAGCTTCTCTGCCACAAAAGTGACTTCAAAGACTGATGGGTTGAGCTG GCAGCCTATGAGATTGTGGACATATAACAAGAAACAGAAATGCCCTCATGCCTAT</pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_148957
<b>Insert Size:</b>	4500 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 open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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).

**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\\_148957.2](#), [NP\\_683760.1](#)

**RefSeq Size:** 4283 bp

**RefSeq ORF:** 1254 bp

**Locus ID:** 55504

**UniProt ID:** [Q9NS68](#)

**Cytogenetics:** 13q12.12

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Cytokine-cytokine receptor interaction

**Gene Summary:** The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is highly expressed during embryonic development. It has been shown to interact with TRAF family members, and to activate JNK signaling pathway when overexpressed in cells. This receptor is capable of inducing apoptosis by a caspase-independent mechanism, and it is thought to play an essential role in embryonic development. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (2, also known as TRADEalpha) differs in both UTR's and the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform (1). Variants 2 and 3 encode the same isoform (2).