

## Product datasheet for RC232683

### TROY (TNFRSF19) (NM\_001204458) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TROY (TNFRSF19) (NM_001204458) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TROY
Synonyms:	TAJ; TAJ-alpha; TRADE; TROY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC232683 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGGCTTTAAAAGTGCTACTAGAACAAAGAGAAAACGTTTTCTACTCTTTTAGTATTACTAGGCTATTTGT  
CATGTAAGTGACTTGTGAATCAGGAGACTGTAGACAGCAAGAATTCAGGGATCGGTCTGGAACCTGTGT  
TCCCTGCAACCAGTGTGGCCAGGCATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGGAGGATGCA  
CAGTGTGTGACGTGCCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCAGAAATGCAAGCCTGTCTGG  
ACTGCGCAGTGGTGAACCGCTTTCAGAAGGCAAATTTGTTAGCCACCAGTGCATCTGCGGGGACTG  
CTTGCCAGGATTTATAGGAAGACGAAACTTGTGCGCTTTCAGACATGGAGTGTGTGCCTGTGGAGAC  
CCTCCTCCTCCTACGAACCGCACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGCGTCCACGGCCTCCA  
GCCACGGGACACGGCGCTGGCTGCCGTTATCTGCAGCGCTCTGGCCACCGTCTGCTGGCCTGTGCAT  
CCTCTGTGTCACTATTGTAAGAGACAGTTATGGAGAAGAAACCCAGCTGGTCTCTGCGGTACACAGGAC  
ATTCAGTACAACGGCTCTGAGCTGTGCTGTTTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCCT  
GCTGCCAGTGCCCGCTGACTCAGTGCAGACCTGCGGGCCGGTGCCTTGGCTCCCATCCATGTGCTGTGA  
GGAGGCCCTGCAGCCCCAACCCGGCGACTTTGGTTGTGGGGTGCATTCTGCAGCCAGTCTTCAGGCAAGA  
AACCGAGGCCAGCCGGGGAGATGGTGCCGACTTCTTCGGATCCCTCACGCAGTCCATCTGTGGCGAGT  
TTTCAGATGCCTGGCCTCTGATGCAGAATCCCATGGGTGGTGACAACATCTTTTTGTGACTCTTATCC  
TGAACACTGGAGAAGACATTCTCTCAATCCAGAACTTGAAGCTCAACGCTTTGGATTCAAAT  
AGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATTCTGAAAACCTTACAGCAGCTACTG  
ATTTATCTAGATATAACAACACACTGGTAGAATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCA  
GCTAGATCAGGAGAGTGGTGTCTCATCCACCCAGCCACTCAGACGTCCCTCCAGGAAGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232683 protein sequence  
Red=Cloning site Green=Tags(s)

MALKVLLQEKTFFTLVLLGYLSCKVTCESGDCRQQEFRDRSGNCVPCNQCGPMELSKCEGFGYGEDA  
 QCVTCLRLHRFKEDWGFQKCKPCLDCAVVNRFQKANC SATSDAICGDCLPGFYRKTKLVGFQDMECVPCGD  
 PPPPYEPHCASKVNLVKIASTASSPRDTALAAVICSALATVLLALLILCVIYCKRQFMEEKPSWSLSRQD  
 IQYNGSELSCFDRPQLHEYAHRACCQCRSDSVQTCGPVRLLLPSMCCEEACSPNPATLGCQVHSAASLQAR  
 NAGPAGEMVPTFFGSLTQSI CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTLDSN  
 SSQDLVGGAVPVQSHSENFTAATDL SRYNNTLVESASTQDAL TMRSQLDQESGAVIHPATQTSLQEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6851\\_g04.zip](https://cdn.origene.com/chromatograms/mk6851_g04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001204458

**ORF Size:** 1251 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\\_001204458.3](#)

**RefSeq Size:** 4214 bp

**RefSeq ORF:** 1254 bp

**Locus ID:** 55504

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

**Cytogenetics:** 13q12.12

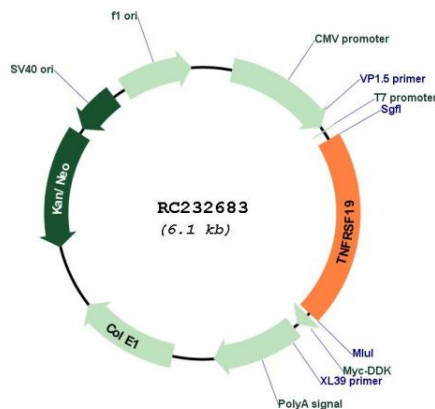
**Protein Families:** Druggable Genome, Transmembrane

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

**MW:** 45.3 kDa

**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]

### Product images:



Circular map for RC232683