

Product datasheet for **RG214944**

TROY (TNFRSF19) (NM_018647) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TROY (TNFRSF19) (NM_018647) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TROY
Synonyms:	TAJ; TAJ-alpha; TRADE; TROY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214944 representing NM_018647 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTTAAAGTGCTACTAGAACAAGAGAAAACGTTTTCTACTCTTTAGTATTACTAGGCTATTTGT
CATGTAAGTGACTTGTGAATCAGGAGACTGTAGACAGCAAGAATTCAGGGATCGGTCTGGAAACTGTGT
TCCCTGCAACAGTGTGGCCAGGCATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGGAGGATGCA
CAGTGTGTGACGTGCCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCAGAAATGCAAGCCTGTCTGG
ACTGCGCAGTGGTGAACCGCTTTCAGAAGCAAATTTGTTACGCCACCAGTGATGCCATCTGCGGGGACTG
CTTGCCAGGATTTATAGGAAGACGAAACTTGTGCGCTTTCAGACATGGAGTGTGTGCCTGTGGAGAC
CCTCCTCCTCCTTACGAACCGCACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGCGTCCACGGCCTCCA
GCCCACGGGACACGGCGCTGGCTGCCGTTATCTGCAGCGCTCTGGCCACCCTGCTGCGCCTGTGCAT
CCTCTGTGTATCTATTGTAAGAGACAGTTTATGGAGAAGAAACCCAGCTGGTCTCTGCGGTACACAGGAC
ATTCAGTACAACGGCTCTGAGCTGTGCTGTTTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCCT
GCTGCCAGTGCCCGCTGACTCAGTGCAGACCTGCGGGCCGGTGCCTTGGCTCCCATCCATGTGCTGTGA
GGAGCCCTGCAGCCCCAACCCGGCGACTCTTGGTTGTGGGGTGCATTCTGCAGCCAGTCTTCAGGCAAGA
AACCGAGGCCACCGGGGAGATGGTGCCGACTTCTTCGGATCCCTCACGCAGTCCATCTGTGGCGAGT
TTTCAGATGCCTGCCTCTGATGCAGAATCCCATGGGTGGTGAACAACATCTTTTTGTGACTCTTATCC
TGAACACTGGAGAAGACATTCTCTCAATCCAGAACTTGAAGCTCAACGCTTTGGATTCAAAT
AGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATTCTGAAAACCTTACAGCAGCTACTG
ATTTATCTAGATATAACAACACACTGGTAGAATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCA
GCTAGATCAGGAGAGTGGCGCTGCATCCACCCAGCCACTCAGACGTCCCTCCAGGTAAGGCAGCGACTG
GGTCCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG214944 representing NM_018647
Red=Cloning site Green=Tags(s)

MALKVLLLEQEKTFFTLLVLLGYLSCKVTCESGDCRQQEFRDRSGNCVPCNQCGPMELSKCEGFGYGEDA
 QCVTCLHRFKEDWGFQKCKPCLDCAVVNRFQKANC SATSDAICGDCLPGFYRKTKLVGFQDMCEVPCGD
 PPPPYEPHCASKVNLVKIASTASSPRDTALAAVICSALATVLLALLILCVIYCKRQFMEKKPSWSLRSQD
 IQYNGSELSCFDRPQLHEYAHRACCQCRSDSVQTCGPVRLLLPSMCCEEACSPNPATLGCQVHSAASLQAR
 NAGPAGEMVPTFFGSLTQSI CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTLSDSN
 SSQDLVGGAVPVQSHSENF TAATDL SRYNNTLVESASTQDAL TMRSQDLQESGAVIHPATQ TSLQVRQRL
 GSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018647

ORF Size: 1269 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_018647.2](#), [NP_061117.2](#)

RefSeq Size: 1485 bp

RefSeq ORF: 1272 bp

Locus ID: 55504

UniProt ID: [Q9NS68](#)

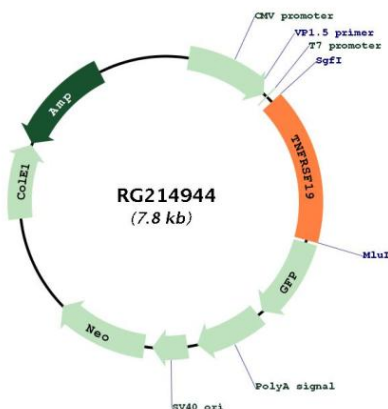
Cytogenetics: 13q12.12

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]

Product images:



Circular map for RG214944