

Product datasheet for **RG208389**

TROY (TNFRSF19) (NM_148957) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | TROY (TNFRSF19) (NM_148957) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | TNFRSF19 |
| 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: | >RG208389 representing NM_148957 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTTAAAGTGCTACTAGAACAGAGAAAACGTTTTCTACTCTTTAGTATTACTAGGCTATTTGT
CATGTAAGTGACTTGTGAATCAGGAGACTGTAGACAGCAAGAATTCAGGGATCGGTCTGAAAACCTGTGT
TCCCTGCAACCAGTGTGGCCAGGCATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGGAGGATGCA
CAGTGTGTGACGTGCCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTCTGG
ACTGCGCAGTGGTGAACCGCTTTCAGAAGGCAAATTTGTTACGCCACCAGTGATGCCATCTGCGGGGACTG
CTTGCCAGGATTTATAGGAAGACGAAACTTGTGCGCTTTCAGACATGGAGTGTGTGCCTGTGGAGAC
CCTCCTCCTCCTTACGAACCGCACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGCGTCCACGGCCTCCA
GCCACGGGACACGGCGCTGGCTGCCGTTATCTGCAGCGCTCTGGCCACCCTGCTGCGCCTGTCTCAT
CCTCTGTGTATCTATTGTAAGAGACAGTTTATGGAGAAGAAACCCAGCTGGTCTCTGCGGTACACAGGAC
ATTCAGTACAACGGCTCTGAGCTGTCTGTTTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCCT
GCTGCCAGTGCCCGCTGACTCAGTGCAGACCTGCGGGCCGGTGCCTTGGCTCCCATCCATGTGTGTGA
GGAGGCCCTGCAGCCCCAACCCGGCGACTCTTGGTTGTGGGGTGCATTCTGCAGCCAGTCTTCAGGCAAGA
AACCGAGGCCAGCCGGGGAGATGGTGCCGACTTCTTCGGATCCCTCACGCAGTCCATCTGTGGCGAGT
TTTCAGATGCCTGGCCTCTGATGCAGAATCCCATGGGTGGTGACAACATCTTTTTGTGACTCTTATCC
TGAACACTGGAGAAGACATTCATTCTCTCAATCCAGAACTTGAAGCTCAACGCTTTGGATTCAAAT
AGCAGTCAAGATTTGGTTGGTGGGGCTGTTCCAGTCCAGTCTCATTCTGAAAACCTTACAGCAGCTACTG
ATTTATCTAGATATAACAACACACTGGTAGAATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCA
GCTAGATCAGGAGAGTGGTGTCTCATCCACCCAGCCACTCAGACGTCCCTCCAGGAAGCT

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208389 representing NM_148957
 Red=Cloning site Green=Tags(s)

MALKVLLLEQEKTFFTLLVLLGYLSCKVTCESGDCRQQEFRDRSGNCVPCNQC GPGMELSKCEGFGYGEDA
 QCVTCRLHRFKEDWGFQKCKPCLDCAVVNR FQKANC SATSDAICGDCLPGFYRKTKLVGFQDMECVPCGD
 P P P P Y E P H C A S K V N L V K I A S T A S S P R D T A L A A V I C S A L A T V L L A L L I L C V I Y C K R Q F M E K K P S W S L R S Q D
 I Q Y N G S E L S C F D R P Q L H E Y A H R A C C Q C R R D S V Q T C G P V R L L P S M C C E E A C S P N P A T L G C G V H S A A S L Q A R
 N A G P A G E M V P T F F G S L T Q S I C G E F S D A W P L M Q N P M G G D N I S F C D S Y P E L T G E D I H S L N P E L S S T S L D S N
 S S Q D L V G G A V P V Q S H S E N F T A A T D L S R Y N N T L V E S A S T Q D A L T M R S Q L D Q E S G A V I H P A T Q T S L Q E A

TRTRPLE - GFP Tag - V

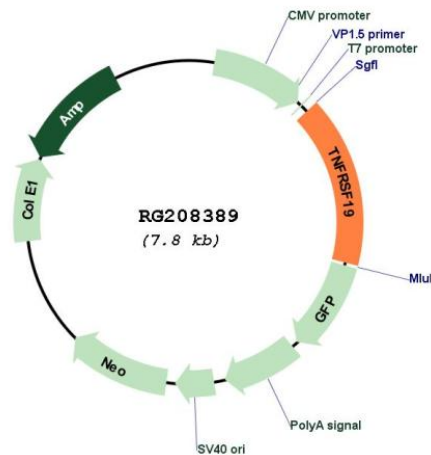
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_148957

| | |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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: | <ol style="list-style-type: none">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_148957.4 |
| 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] |