

Product datasheet for **RG232376**

TROY (TNFRSF19) (NM_001204459) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TROY (TNFRSF19) (NM_001204459) 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:	>RG232376 representing NM_001204459 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTGTGTCCTTGTGGAGACCTCCTCCTTACGAACCGCACTGTGCCAGCAAGGTCAACCTCG
TGAAGATCGCGTCCACGGCCTCCAGCCCACGGGACACGGCGCTGGCTGCCGTTATCTGCAGCGCTCTGGC
CACCGTCTGCTGGCCCTGCTCATCCTCTGTGTCATCTATTGTAAGAGACAGTTTATGGAGAAGAAACCC
AGCTGGTCTCTGCGGTACAGGACATTCAGTACAACGGCTCTGAGCTGTCTGTTTTGACAGACCTCAGC
TCCACGAATATGCCACAGAGCCTGCTGCCAGTGCCGCGTGACTCAGTGCAGACCTGCGGGCCGGTGCG
CTTGCTCCCATCCATGTGCTGTGAGGAGCCTGCAGCCCCAACCCGGCGACTCTTGGTTGTGGGGTGAT
TCTGCAGCCAGTCTTCAGGCAAGAAACGAGGCCAGCCGGGAGATGGTGCCGACTTTCTCGGATCCC
TCACGCAGTCCATCTGTGGCGAGTTTTAGATGCCTGGCCTCTGATGCAGAATCCCATGGGTGGTGACAA
CATCTCTTTTTGTGACTTTATCCTGAACCTCACTGGAGAAGACATTCTCTCAATCCAGAATTGAA
AGCTCAACGTCTTTGGATTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATT
CTGAAAACCTTACAGCAGCTACTGATTTATCTAGATATAACAACACACTGGTAGAATCAGCATCAACTCA
GGATGCACTAACTATGAGAAGCCAGCTAGATCAGGAGAGTGGTGTCTATCCACCCAGCCACTCAGACG
TCCCTCCAGGAAGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232376 representing NM_001204459
 Red=Cloning site Green=Tags(s)

MECVPCGDP PPPPYEPHCASKVNLVKIASTASSPRDTALAAVIC SALATVLLALLILCVIYCKRQFM EKKP
 SWSLRSQDIQYNGSELSCFDRPQLHEYAHRACCQRRDSVQTCGPVRLLP SMCCEEACSPNPATLGCGVH
 SAASLQARNAGPAGEMVPTFFGSLTQSI CGEFSDAWPLMQNPMGGDNISFCDSYP ELTGEDIHSLNPELE
 SSTSLDSNSSQDLVGGAVPVQSHSENF TAATDL SRYNNTLVESASTQDAL TMRSQLDQESGAVIHPATQT
 SLQEA

TRTRPLE - GFP Tag - V

Restriction Sites:

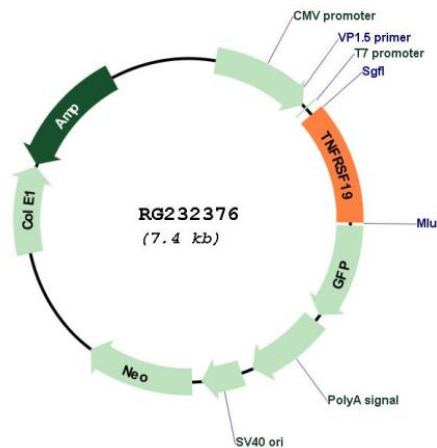
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001204459

ORF Size: 855 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_001204459.1 , NP_001191388.1
RefSeq Size:	4309 bp
RefSeq ORF:	858 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]