

Product datasheet for **MG209538**

Tnfrsf11a (NM_009399) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnfrsf11a (NM_009399) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tnfrsf11a
Synonyms:	Ly109; mRANK; ODFR; OFE; Rank; TRANCE-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209538 representing NM_009399
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCCGCGCGCCCGCGCGCCGAGCTGCCCGCGCGCTGCTGGCGCTCTGCGTGTCTCGTTCC
 CACTGCAGGTGACTCTCCAGGTCACTCCTCCATGCACCCAGGAGAGGCATTATGAGCATCTCGGACGGTG
 TTGCAGCAGATGCGAACAGGAAAGTACCTGTCCTCTAAGTGCCTCCTACCTCCGACAGTGTGTGTCTG
 CCCTGTGGCCCCGATGAGTACTTGGACACCTGGAATGAAGAAGATAAATGCTTGTGCATAAAGTCTGTG
 ATGCAGGCAAGGCCCTGGTGGCGGTGGATCCTGGCAACCACAGGCCCGCGTGTGCTTGCACGGC
 TGGCTACCACTGGAACCTCAGACTGCGAGTGTGCCGAGAACACGGAGTGTGCACCTGGCTTCGGAGCT
 CAGCATCCCTGCAGCTCAACAAGGATACGGTGTGCACACCTGCCTCCTGGGCTTCTTCTCAGATGTCT
 TTTCTGCCACAGACAAAATGCAAACCTTGGACCACTGCACCTCCTTGGAAAGCTAGAAGCACACCAGGG
 GACAACGGAATCAGATGTGGTCTGCAGCTTCCATGACTGAGGAGACCACCAAGGAGGCCAGGCT
 TACCTGCCAGTCTCATGTTCTGCTCCTTCTCATCTCTGTGGTGTAGTGGCTGCCATCATCTTCGGCG
 TTTACTACAGGAAGGGAGGAAAGCGCTGACAGCTAATTTGTGGAATTGGGTCAATGATGCTTGCAGTAG
 TCTAAGTGGAAATAAGGAGTCTCAGGGGACCGTTGTGCTGGTCCCCTCGGCAACCTCCAGTCAGCAA
 GAAGTGTGTGAAGGTATCTTACTAATGACTCGGGAGGAGAAGATGGTCCAGAAGACGGTGTGGAGTCT
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 TGGAAATGGGGGAGAACGACAGTAAAGCCAGTGTTCACCGGACTGAAAGCAGGTCGATTCTGAGGG
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 GAAATAGAAGGTGACAGTTGCCCTCCCCTGGGTGGTCAGCTCCAACCAACAGATGGCTACACAGGAGTG
 GAAACTCCTGGGGAGGACCATGAACCTTTCCAGGGTCCCTGAAATGTGGACCATTGCCCCAGTGTGC
 CTACAGCATGGGCTTTCCAGTGAAGCAGCAGCCAGCATGGCAGAGGGGAGTACGGCCCCAGGACAGG
 GCTGATGAGAAGGGAGCCTCAGGGTCCGGGAGCTCCCCAGTGACCAGCCACCTGCCTCTGGAACGTGA
 CTGAAACAGTAACTCCACGTTCTCTAGCGGGCAGGTGATGAACTTCAAGGGTACATCATCGTGGT
 GTATGTCAGCCAGACCTCGCAGGAGGGCCGGTTCGCGAGCCGAGTCCGAGCCGTTGGGCCCGCT
 GTGCAGGAGGAGCCTGGCACACAGACTCCTTTGCGGGCACCGCGCCGCTTCCCCGACGCTGTG
 CCACCGGGGCTGGGCTGCAGGAGCAGGGGGCACCCGGCAGAAGGACGGGACATCGCGGCCGGTGCAGGA
 GCAGGGTGGGGCCGAGACTTCACTCCATACCCAGGGTCCGGACAATGTGCAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209538 representing NM_009399
 Red=Cloning site Green=Tags(s)

MAPRARRRRQLPAPLLALCVLLVPLQVTLQVTPPCTQERHYEHLGRCCSRCEPGKYLSSKCTPTSDSVCL
 PCGPDEYLDTWNEEDKLLHKVCDAGKALVAVDPGNHTAPRRCACTAGYHWNSDCECCRRNTECAPGFGA
 QHPLQLNKDVTCPCLLGFSDVFSSTDKCKPWTNCTLLGKLEAHQGTTESDVVCSSTLRRPPKEAQA
 YLPSLIVLLLFISVVVAAIIFGVYRKGKALTANLWNVNDACSSLSGNKSSGDRCAGSHSATSSQQ
 EVCEGILLMTREEKMPEDGAGVCGPVCAAGGPWAEVRSRTFTLVSEVETQGDLSRKIPTEDEYTDSPS
 QPSTGSLLLIQGSKSIPPFQEPLVENDSLSQCFGTGTESTVDSEGCDFTEPPSRTDSMPVSPEKHLTK
 EIEGDSCLPWVSSNSTDGYTGSNTPGEDHEPFPGLKCGPLPQCAYSMGFPSEAAASMAEAGVPRPQDR
 ADEKGAAGSGSSPSDQPASGNVTGNSNSTFISSQVMNFKGDIIVVYVSQTSQEGPGSAEPESEPVGRP
 VQEETLAHRDSFAGTAPRFPDVCATGAGLQEQGAPRQKDGTSRPVQEQGAQTSLHTQGSQCAE

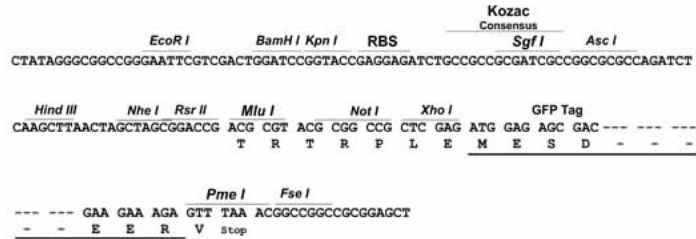
TRTRPLE - GFP Tag - V

Restriction Sites:

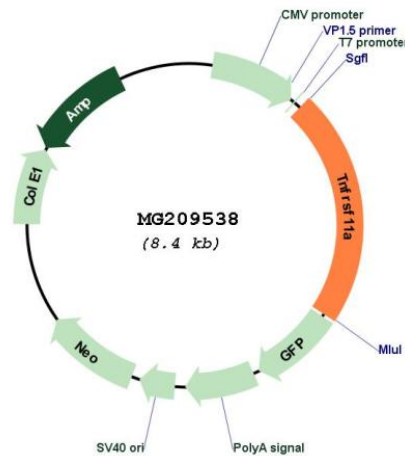
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_009399
 ORF Size: 1875 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_009399.2
RefSeq Size:	5022 bp
RefSeq ORF:	1878 bp
Locus ID:	21934
UniProt ID:	O35305
Cytogenetics:	1 E2.1
Gene Summary:	Receptor for TNFSF11/RANKL/TRANCE/OPGL; essential for RANKL-mediated osteoclastogenesis. Involved in the regulation of interactions between T-cells and dendritic cells.[UniProtKB/Swiss-Prot Function]