

Product datasheet for **MR209538**

Tnfrsf11a (NM_009399) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnfrsf11a (NM_009399) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tnfrsf11a
Synonyms:	Ly109; mRANK; ODFR; OFE; Rank; TRANCE-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209538 representing NM_009399
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCCGCGCGCCCGGCGCGCCAGCTGCCCGCGCGCTGCTGGCGCTCTGCGTGTCTCGTTT
 CACTGCAGGTGACTCTCCAGTCACTCCTCCATGCACCCAGGAGAGGCATTATGAGCATCTCGGACGGTG
 TTGCAGCAGATGCGAACAGGAAAGTACCTGTCCTCTAAGTGCCTCCTACCTCCGACAGTGTGTCTG
 CCCTGTGGCCCCGATGAGTACTTGGACACCTGGAATGAAGAAGATAAATGCTTGTGCATAAAGTCTGTG
 ATGCAGGCAAGGCCCTGGTGGCGGTGGATCCTGGCAACCACAGGCCCGCGTGTGCTTGCACGGC
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 CAGCATCCCTGCAGCTCAACAAGGATACGGTGTGCACACCTGCCTCCTGGGCTTCTTCTCAGATGTCT
 TTTCTGCCACAGACAAATGCAAACCTTGGACCACTGCACCTCCTTGGAAAGCTAGAAGCACACCAGGG
 GACAACGGAATCAGATGTGGTCTGCAGCTTCCATGACTGAGGAGACCACCAAGGAGGCCAGGCT
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 TTTACTACAGGAAGGGAGGAAAGCGCTGACAGCTAATTTGTGGAATTGGGTCAATGATGCTTGCAGTAG
 TCTAAGTGGAAATAAGGAGTCTCAGGGGACCGTTGTGCTGGTCCCCTCGGCAACCTCCAGTCAGCAA
 GAAGTGTGTGAAGGTATCTTACTAATGACTCGGGAGGAGAAGATGGTCCAGAAGACGGTGTGGAGTCT
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 CGAGGTTGAGACGCAAGGAGACCTCTCGAGGAAGATCCACAGAGGATGAGTACACGGACCGGCCCTCG
 CAGCCTTCGACTGGTTCCTACTGCTCTAATCCAGCAGGGAAGCAAACTATACCCCATCCAGGAGCCCC
 TGGAGTGGGGGAGAACGACAGTTAAGCCAGTGTTCACCGGGACTGAAAGCACGGTGGATTCTGAGGG
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 GTGCAGGAGGAGCCTGGCACACAGACTCCTTTGCGGGCACCGCGCCGCTTCCCCGACGCTGTG
 CCACCGGGCTGGGCTGCAGGAGCAGGGGGCACCCGGCAGAAGGACGGGACATCGCGGCCGGTGCAGGA
 GCAGGGTGGGGCGAGACTTCACTCCATACCCAGGGTCCGGACAATGTGCAGAA

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Protein Sequence:

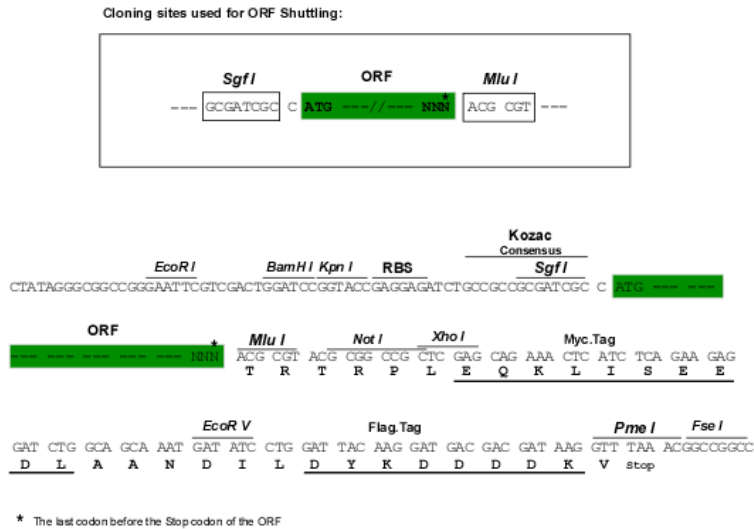
>MR209538 representing NM_009399
 Red=Cloning site Green=Tags(s)

MAPRRRRRQLPAPLLALCVLLVPLQVTLQVTPPCTQERHYEHLGRCCSRCEPGKYLSSKCTPTSDSVCL
 PCGPDEYLDTWNEEDKLLHKVCDAGKALVAVDPGNHTAPRRCACTAGYHWNSDCECCRRNTECAPGFGA
 QHPLQLNKDVTCPCLLGFSDVFSSTDKCKPWTNCTLLGKLEAHQGTTESDVVCSSTMLRRPPKEAQA
 YLPSLIVLLLFISVVVAAIIFGVYYRKGKALTANLWNWVNDACSSLSGNKESSGDRCAGSHSATSSQQ
 EVCEGILLMTREEKMVPEDGAGVCGPVCAAGGPWAEVRDSRTFTLVSEVETQGDLSRKIPTEDEYDRPS
 QPSTGSLLLIQGSKSIPPFQEPLEVGENDSLSQCFGTGTESTVDSEGCDFTPEPSSRTDSMPVSPEKHLTK
 EIEGDSCLPWVSSNSTDGYTGSNTPGEDHEPFPGLKCGPLPQCAYSMGFPSEAAASMAEAGVVRPQDR
 ADEKGAAGSSPSDQPPASGNVTGNSNSTFISSQVMNFKGDIIVVYVSQTSQEGPGESEPEVGRP
 VQEETLAHRDSFAGTAPRFPDVCATGAGLQEQGAPRQKDGTSRVPVQEQGGAQTSLHTQGSQCAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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:

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

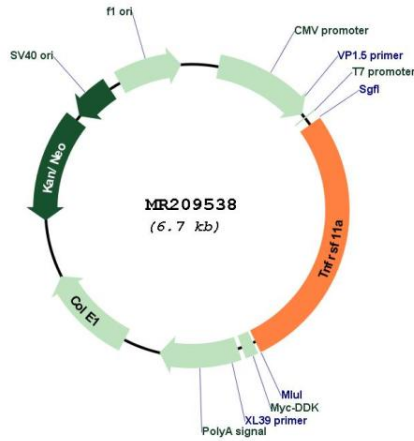
UniProt ID: [O35305](#)

Cytogenetics: 1 E2.1

MW: 67.1 kDa

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]

Product images:



Circular map for MR209538