

## Product datasheet for **RR217025**

### **Tnfrsf11a (NM\_001271235) Rat Tagged ORF Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                           |
| Product Name:             | Tnfrsf11a (NM_001271235) Rat Tagged ORF Clone |
| Tag:                      | Myc-DDK                                       |
| Symbol:                   | Tnfrsf11a                                     |
| Synonyms:                 | RANK; RGD1563614                              |
| Mammalian Cell Selection: | Neomycin                                      |
| Vector:                   | pCMV6-Entry (PS100001)                        |
| E. coli Selection:        | Kanamycin (25 ug/mL)                          |



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ORF Nucleotide  
Sequence:

>RR217025 representing NM\_001271235  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGGCCCCGCGCGCCCGGCGCGCCAGTTTCCGCGCCTCTGCTGGCGCTCTGCGTGTCTCTCTCC  
CATTGCAGGTGACCCCTCCAAGTCACTCTGCCGTGCACCCAGGAGAGGCACTATGAGCATCTTGACGGTG  
TTGCAGCAGATGCGAACAGGAAAGTACCTGTCTTCTAAATGCACTCCCACCTCCGACAGTGTGTGTCTG  
CCCTGTGGCCAGATGAATACTTGGATACCTGGAATGAAGAAGATAAATGCTTGCTGCATAAAGTCTGTG  
ATGCAGGCAAGGCCCTGGTGGCGGTGGACCCTGGCAACCACAGGCCCGCGTGTCTGTCTGCACGGC  
GGGCTACCACTGGAACGCAGACTGCGAGTGTGCCGTGGAACACGGAGTGGCACCAGGGCTTCGGAGCT  
CAACATCCCTTGAGCTCAACGTGGATACCGTGTGCACACCCTGCCTCCTGGGCTTCTTCTCAGATGTCT  
TTTCGTCACAGACAAAATGCAAACCCTGGACCACTGCACCGTCTTGGGAAGATGGAAGCACACCAAGG  
GACGACGGAATCAGATGTGGTCTGCAGCTTCCCTGACACTCATAAAACCACCAAGGAGGCCAGGTT  
TACTTGCCAGTCTCATCGTCTCTCTCTTCTCTGTGGTGTGGTGGCTGCCATCGTCTTACGCA  
TTTACTACAGGAAGGGAGGAAAACGCTGACAGCTAATCTGTGGAATTGGGTCAATGATGCTTGCAGTAG  
TCTCAGTGAAATAAGGAGTCTCAGGGGACCATTGTGTTGGTCCCCTCGGCAAACTCCAGCCAGCAA  
GAAGTGTGTGAAGGTATCTTACTAATGACTCGGGAGGAGAAGATGGTCCAGAAGACTGTGCTGGAGTCT  
GTGGACCTGTGCGTGGCGCAAGTGGGCCCTGGGCAGAAGGCAGAGATGCTAGGACGTTACCTTAGTCAG  
CGAGGTTGAGACGCAGGGAACTCTCAAGGAAGATCCCACAGAAGATGAGTACACGGACCGGCCCTCA  
CAGCCTCCGAATGGTTCCTGTTCTAATCCAGCCTGGAAGCAGATCGACACCCCGTTCAGGAGCCCC  
TGGAGTGGGGGAGAACGACAGTTTAAGCCAGTGTTCACGGGGACGGAAGCATGGTGGATTCCGAAGG  
CTGCGACTTCACCGAGCCTCCAAGCAGAACTGACTATATGCCTGCATCCCCTGAAAAGCTCCTGACAAAA  
GAAATAGAGGATGACAGTTGCCTACCCTGGGTGGCCAACCTCAACTCAACGGATGGCTACACAGGAGTG  
GGAACACTCCTGGGGAGGACCATGAACCCTTCCGGGGTCCCTGAAATGTGGACGTTGCCCCAGTGTGC  
CTACAGCATAGGCCTTCCAGTGAAGCAGCAGCCAGCTTGGCAGAGGTCGGAGCGCAGCCCCAGGACAGG  
GCTGATGCAAAGCTTCCGAGCTCAGAGAGGGGAGCCTCGGGGTCTGGGAGTTCGCCAGTGAACAGCCAC  
CTGCCTCTGGAACGTGACAGGAAACAGTAACTCCAGTTCATCTCCAGCGGGCAGGTGATGAACCTCAA  
GGGTGACATCATCGTGGTGTACGTACGTACAGCCTCACAGGAGGGCCCGGGCCTGCAGAGCCAGAGCCA  
GAGCCGAGCCCCGTGGGCCGCCAGTGCAGGAGGAGACTGGCACACAGAGACTCCTTTGCGGGCACCG  
CACCGCGCTTCCCGACGCATGCACCACCGGGGCTGGGTTACAGGAGAAGGGGGCATCTCGCCGAAGGA  
CTGGGCATCACGGCCGGTGCAGGAGCAGGTTGGGGCGCAGGCTTCACTCAATACCCAGGGGTCCGGACAA  
TGTGCAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR217025 representing NM\_001271235  
Red=Cloning site Green=Tags(s)

MAPRARRRRQFPAPLLALCVLLLPLQVTLQVTLPCTQERHYEHLGRCCSRCEPGKYLSSKCTPTSDSVCL  
 PCGPDEYLDTWNEEDKCLLHKVCDAGKALVAVDPGNHTAPRRCACTAGYHWNADCECCRRNTECAPGFGA  
 QHPLQLNVDTVCTPCLLGGFFSDVFSSTDKCKPWTNCTVLGKMEAHQGTTESDVVCSSSLTLIKPPKEAQQ  
 YLPSLIVLLLFISVVVVAIVFSIYYRKGKGLTANLWNWVNDACSSLGNKESSGDHCVGSHSANSSQQ  
 EVCEGILLMTREEKMPEDCAGVCGPVRAASGPWAEGRDARTFTLVSEVTQGNLSRKIPTDEYDRPS  
 QPPNGSLFLIQGSRSTPPFQEPLEVGENDSLSQCFGTGTESMVDEGCDFTPEPPSRDYMPASPEKLLTK  
 EIEDDSCLPWVANSNSTDGYTGSGNTPGEDHEPLPGSLKCGPLPQCAYSIGLPSEAAASLAEVGAQPQDR  
 ADAKLPSSERGASGSGSSPSEQPPASGNVTGNSNSTFISSGQVMNFKGDIIVVYVQTSQEGPQAEPEP  
 EPEPVGRPVQEETLAHRDSFAGTAPRFPDACTTGAGLQEKGASRPKDWASRPVQEQGAQASLNTQGSQG  
 CAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001271235

**ORF Size:** 1899 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\\_001271235.1](#), [NP\\_001258164.1](#)

**RefSeq Size:** 2718 bp

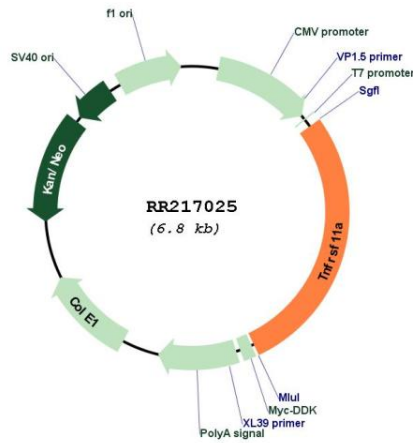
**RefSeq ORF:** 1902 bp

**Locus ID:** 498206

**Cytogenetics:** 13p11

**MW:** 67.6 kDa

**Product images:**



Circular map for RR217025