

## Product datasheet for RN214556

### Tnfsf10 (NM\_145681) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tnfsf10 (NM\_145681) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tnfsf10  
**Synonyms:** Tnlg6a; Trail  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN214556 representing NM\_145681  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTCCACCGGGAACCTGAAGGGCCCCAGCTTCAGTCAGCACTTCACGATGACGGTGATCTGCATAG  
 TGCTCCTGCAGGTGCTCCTGCAGGCCTTGACTGTGGCTGTGACTTACATGTACTTCAACAACGAGGTGAA  
 ACAGCTACAGGACAATTACTCCAAAATCGGACTAGCTTGTCTCTCAAAGAAGATGGGGATTTTTGGGAC  
 TCCACTGACGAGGGGATTTTGAACAGACCTTGCTTGCAGGTCAAGAGGCAACTGTATCAGCTCATTGAAG  
 AGGTGACTTTGAGAACCTTTGAGAAAACCTCTACAGTTCCAGAAAAGCAGCTAAGCACTCCTCCCTT  
 GCCCAGAGGTAGAAGACCCAGAGAGTGGCAGCTCACATTACCGGGATCACTCGGAGAAGCAACTTAGCC  
 TTAATTCCAATCTCCAAGGATGGAAGACCTTGGGCCAGAAGATAGAAACCTGGGAGTCCTCTCGGAGAG  
 GGCATTCATTTCTCAACCATGTGCACCTTGAAGAACGGAGAGCTGGTGATCCAGGAGGAGGGCCTGTATTA  
 CATCTACTCCCAAACGTACTACCGTTCAAGGAGGCTAAAGAAGCTTCCAAGACAGTCTCGAAGGACGGA  
 GGGAGGATCAAACAGATGGTGCAGTACATCTACAAATACACCAGCTACCCGATCCCATACTGCTGATGA  
 AGAGTGCCAGAAATAGCTGGTCCAGAGAAGCTGAGTACGGACTGTACTCCATCTATCAGGGGGGCT  
 GTTCGAGCTCAAAGAAAATGACAGGATTTTTGTTTCCGTGACGAATGAGCATTGATGGACCTGGATCAA  
 GAAGCCAGTTTCTTTGGAGCCTTTTAAATTAAC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_145681  
**Insert Size:** 876 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_145681.2](#), [NP\\_663714.2](#)

**RefSeq Size:** 1122 bp

**RefSeq ORF:** 876 bp

**Locus ID:** 246775

**Cytogenetics:** 2q24

**Gene Summary:** member of the tumor necrosis factor-alpha family of cytokines; may induce apoptosis [RGD, Feb 2006]