

Product datasheet for **MC204712**

Tnfrsf11b (NM_008764) Mouse Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Tnfrsf11b (NM_008764) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Tnfrsf11b |
| Synonyms: | OCIF; Opg; TR1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

Fully Sequenced ORF: >BC049782
 GACGCACCTAGCACTGACCCAGCGGCTGCCTCCTGAGGTTCCCGAGGACCACAATGAACAAGTGGCTGT
 GCTGCGCACTCCTGGTGCCTGGACATCATTGAATGGACAACCCAGGAAACCCTTCTCCAAAGTACTT
 GCATTATGACCCAGAACTGGTCATCAGCTCCTGTGTGACAAATGTGCTCCTGGCACCTACCTAAAAACAG
 CACTGCACAGTGAGGAGGAAGACATTGTGTGTCCCTTGCCTGACCACTTTATACGGACAGCTGGCACA
 CCAGTGATGAGTGTGTATTGCAGCCCAGTGTGCAAGGAACTGCAGTCCGTGAAGCAGGAGTGCAACCG
 CACCCACAACCGAGTGTGTGAGTGTGAGGAAGGGCGTTACCTGGAGATCGAATTCGTTGAAGCACCGG
 AGCTGTCCCCCGGCTCCGGCGTGGTGC AAGCTGGAACCCAGAGCAAAACACAGTTTGCAAAAAATGTC
 CAGATGGGTTCTTCTCAGGTGAGACTTCATCGAAAGCACCTGTAGAAAAACACGAACTGCAGCACATT
 TGGCCTCCTGCTAATTCAGAAAGGAAATGCAACACATGACAACGTGTGTTCCGGAACAGAGAAGCCACG
 CAAAAGTGTGGAATAGATGTCACCCTGTGTGAAGAGGCCCTTCTCAGGTTTGCTGTTCTACCAAGATTA
 TACCAAATGGCTGAGTGTGTTGGTGGACAGTTTGCCTGGGACCAAAGTGAATGCCGAGAGTGTAGAGAG
 GATAAAACGGAGACACAGCTCACAAGAGCAAACCTTCCAGCTGCTGAAGCTGTGGAACATCAAACAGA
 GACCAGGAAATGGTGAAGAAGATCATCCAAGACATTGACCTCTGTGAAAGCAGCGTGCAGCGGCATCTCG
 GCCACGCGAACCTCACCACAGAGCAGCTTCGTGCCTTGATGGAGAGCCTGCCTGGGAAGAAGATCAGCCC
 AGAAGAAATTGAGAGAACGAGAAAGACCTGCAAAATCGAGCGAGCAGCTCCTGAAGCTACTCAGTTTATGG
 AGGATCAAAAATGGTGACCAAGACACCTTGAAAGGCCCTGATGTATGCCCTCAAGCACTTGAAAACATCCC
 ACTTTCCAAAAGTGCACCCACAGTCTGAGGAAGACCATGAGGTTCTGCACAGCTTACAATGTACAG
 ACTGTATCAGAAGCTCTTTTAGAAATGATAGGGAATCAGGTTCAATCTGTGAAAATAAGCTGCTTATAA
 CTAGGAATGGTCACTGGGCTGTTTCTCAGGACGGGCCAAAAGTACTGAGGAGAGAAGAAGACTGTTTCTC
 AAGCACTTGAAACGGCCAGTGAATTCCTTCTCATCAGTCGGGGGAATGAAGACCGCCCCACCCCAA
 CACACACTGGGACTCTGAGTCCGGAGAGGGAGGAAGGCTATTTATAATTGTATAAAACCAGGTGTA
 TACCCAGAAAGCCAAGCATGCTGAGTGAGAACAGAGGGTAGCTTTTTTTATAACCTCAAACATACGTCCC
 TTCTTCTCCTCACAGCTGAGCAATCAGATGGCTTCTACTATTTTATGTGTCACCCCTAGATGAAGG
 TCTGTTTCTTCTGCATCTGATAGTCTATGACGTTCTGTTTATAATGCTTATCAGAGCCTCATCACCTTT
 GTAGGTTGCTAGGCAAGCTTACTGTTAGCTATTTTTCCCTCTAAAGATTTGATTTGAGTTGCAGACTTA
 GCTAGACAGGCAGGGTGGGTTGTGGTAGTTTATTTAACAGATTGCCACCAAGAGCCAGTGTTCCTTGT
 TCCTCTGTAGTTGGATCTAAGCTGACTCAAAGTACTTTTAGTTTGAAAAATAATCAACTAATTTTATTTT
 TTACATTAACAATGGCTGGCTTGGTTTCATAGCACCAAGAAACTACTATATGGAGAAAGAATTGATAT
 CTCCTCCAATATTCAACAAATCCCAACAGTTTATCCAGCTGTCATGTCTGGTTCAGTATCTACAGACTG
 TGTGTCCTCTATTACCACATGTAGTAATCAACTGGAATAATAGTAATAGTAGTAATAGAAATCAAAAT
 CTAGACTCCATTGGATCTCTTTGAATATGGTAATCAATGTAAGTCTTTGAGATTTAGTTGATTA
 AAGGCTTTTATTAAGAAAGCTGATGTTCTTCTGTAAAAGTACTAATATATCTGTAAGACTATTACAGTAT
 TTCTATTTATATTCATGCAGATATGTTTGTACATATTATAAACCTAGAGAGAAATGTTGTAGGACTTAA
 TTTTAGAAAGAAAAAATATTCTGTTTACTATTGAGACAAATAAAAGAGATAAAATATATTTTTAATAGAA
 ACTTTGTAGTGTTCCTAATAGGTACTGTCAAGTTTCCAGTGTGGAATGTTTTTATAATATTATTTTATC
 TGTATAAGATGTAATATCATTATAGAAAAATACATTATGTATTGAGTTGTTTAAATGTCAGAAAGTGTA
 TGAACATAAAATATCTGAATATTAGATGCTCTGAGAAATTGAATGTACCTATTTAAAGATTTTATGA
 TCATACTATATAAATAGCATCATTAAAGTTTCAAATTTTAAAAAAGATTTTAAAAAAGATTTTAAAAA
 AAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_008764
- Insert Size:** 1206 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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: [BC049782](#), [AAH49782](#)

RefSeq Size: 2663 bp

RefSeq ORF: 1206 bp

Locus ID: 18383

UniProt ID: [O08712](#)

Cytogenetics: 15 D1

Gene Summary: Acts as decoy receptor for TNFSF11/RANKL and thereby neutralizes its function in osteoclastogenesis. Inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Bone homeostasis seems to depend on the local ratio between TNFSF11 and TNFRSF11B. May also play a role in preventing arterial calcification. May act as decoy receptor for TNFSF10/TRAIL and protect against apoptosis. TNFSF10/TRAIL binding blocks the inhibition of osteoclastogenesis.[UniProtKB/Swiss-Prot Function]