

## Product datasheet for **RN211018**

### **Tcirg1 (NM\_199089) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tcirg1 (NM_199089) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tcirg1
Synonyms:	OC116; TIRC7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211018 representing NM\_199089  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTCCATGTTCCGGAGTGAAGAGGTGGCCTTGGTCCAGCTCCTGTTGCCACAGCATCTGCCTACA  
 ACTGTGTGAGCCAGCTGGGTGAGCTGGCCTCGTGGAGTTTAGAGACCTCAACGAGTCGGTGAAGTGCCTT  
 CCAGAGACGCTTCGTGGTAGAGGTCCGGCGCTGCGAGGAGCTGGAGAAGACCTTACACTTCTTCCGGGAA  
 GAAGTGCAGCGGGCAGGCCTGACACTGACCCACCCGAGGGGACACTGCCAGCACCGCTCCCGGAGACC  
 TGCTGCGCATCCAGGAGAAACGGACCGCTTGGCCAGGAGCTTCGGGATGTTGAGGCAACCAACAGGC  
 ACTTCCGGCCAGCTGCACCAGCTACAGCTCCACTCAGCCGTGCTGGCCAGAGCCACGCCCTCCGATG  
 GCAGCTGTCCATACGGAGGGACCCACCCTGAGAGAACACCCCTGCTTTCAGCCACCCAGGGCCACATG  
 CAGACCTGAAGGTCAATTTTGTGGCAGGTGCTGTGGAGCCTTGAAGGCTGCAGCCCTGGAGCCCTGCT  
 TTGGAGAGCTTGGCGCGCTTCTCATTGCCAGCTTTAAGGAGACTGAGGGGCAGCTGGAGACCCGGTG  
 ACGGGTGAGCCTGCAACTTGGATGACCTTTGTATCTCCTACTGGGGTGAGCAGATCGGACAGAAGGTTT  
 GGAAGATCACAGACTGCTTTCAGTGTATGCTTCCCCTACCTGGAGCAGGAGGAAGCCCGCTCAGGAC  
 CTTGCAGCAGCTGCAGCAGCAGAGCCAGGAGCTTCAGGAGGTCCCTGGGGGAGACAGAACGGTTTCTGAGC  
 CAGGTGTTGGGCCGGGTGCAGCAGCTGTGCCCCAGGGCAGGTGCAGATCCGGAAGATGAAGGCCGTGC  
 ACCTGACCCTCAACCAGTGCAGTGTGAACACCACACAAAGTGCCTCATTGCGGAGGTCTGGTGTGCCAC  
 GAGGGACCTTCCACTGTACAGCAGGCGCTGCAGAGCGGCTCGAGTGAGGAAGGAGTGAGTGTGTGGCT  
 CACCGTATCCCTTGCAGGACATGCCTCAACTCTCATCAGGACCAACCGCTTCACTCCAGCTTCCAGG  
 CATTGTGGATGCCTATGGTGTGGCCGATACAGGGAAGTCAACCCTGCTCCCTACACCATCATCATT  
 CCCCTTCTCTTTGCTGTGATGTTTGGCGACTGGGCCACGGACTGCTCATGTTTCTCTTCGCCCTGGCT  
 ATGGTCTCACTGAGAACCAACCAGCTGTAAGACCCACGCAAAATGAGATCTGGCAGACCTTCTTTGGGG  
 GTCGCTACCTACCCTGCTCATGGGTCTGTTCTCCATCTACACGGGCTTCTATACAACGAGTGTTCAG  
 CCGAGCCACCACTATTTTCCCCTCAGGCTGGAGTGTGGCTGCCATGGCCAACCAGTCAAGCTGGAGTGC  
 GAGTATCTGTCCAGCACCCATGCTTACCCTGAACCCTAACATCACTGGTGTCTTCTCGGACCTTATC  
 CCTTCGGCATTGACCCGATCTGGAGCCTGGCCACCAACCCTGAGCTTCCCTCAACTCCTCAAGATGAA  
 GATGTCTGTATCCTTGGGTGCACACATGGCCTTTGGGGTGTCTCAGCATCTCAACCATGTGCAC  
 TTTGGCCAGGCCACCGCTACTGCTGGAGACCGTGCCTGAGCTCATCTTCTGTTGGGCTCTTTGGCT  
 ACCTTGTCTTCTCATTGTCTACAAGTGGCTCTACGTCTCAGCTGCCAGCGCCTCCTCGGCCCCAGTAT  
 CCTCATTCACTTCAATATGTTCTTCTCCAAAACCCCAACATCGGCTGCTTCCACGGGCAG  
 GTAGTGGTACAGTATGCGCTGGTGGTCTGGCTTTGGCCACAGTTCCTATCCTGTGCTGGGCACACCTT  
 TGTACCTTCTGCGCCAGCACCCGAAGAACTCAGAGAAGGCCTACAGCAGGAGCAGGATGAGGA  
 CAGTGACAAGCTTCTGGCCTCCCGGATGCTTCCACCTTGGAGAACAGCTGGAGCCCTGATGAGGAGAAG  
 GCTGGGAGCTCAGGAGATGAAGAAGCTGAGTTTGTCCCTCGGAGATCTCATGCACCAAGCCATCCACA  
 CCATTGAGTCTGCCTGGGCTGCATCTCAACACAGCCTCCTACTTGCCTCTGGGCCCTGAGCCTGGC  
 TCATGCTCAGCTGTCTGAGGTCCTGTGGCCATGGTGTGCGCATAGGCCTAGGCATGGGCCGAGAGATT  
 GGTGTGGCATCTGTGGTGTGGTCCCTGTGTTGCTGCCTTTGCTGTGTTGACTGTGGCCATCTTGCTAG  
 TGATGGAGGGCTCTCAGCCTTCTACATGCCCTGCGGTTGCACTGGGTGGAGTTCAGAACAAAGTTCTA  
 TTCAGGGACCGGCTACAAGCTCAGCCCTTCGCTTCACTGTGGACAGT**GACTAG**

**ACGGCT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_199089  
**Insert Size:** 2505 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_199089.2</a> , <a href="#">NP_954520.2</a>
<b>RefSeq Size:</b>	2505 bp
<b>RefSeq ORF:</b>	2505 bp
<b>Locus ID:</b>	293650
<b>Cytogenetics:</b>	1q43
<b>Gene Summary:</b>	mouse homolog is the a3 subunit of the plasma membrane V-ATPase essential for bone resorption [RGD, Feb 2006]