

## Product datasheet for **MC221941**

### **Tcirg1 (NM\_016921) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tcirg1 (NM_016921) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tcirg1
Synonyms:	ATP6a3; Atp6j; ATP6N1C; oc; OC-116; OPTB1; Stv1; TIRC7; Vph1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221941 representing NM\_016921  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGCTCTATGTTCCGGAGTGAAGAGGTGGCCTTGGTCCAGCTCCTGTTGCCACAGGGTCTGCTTACA  
 ACTGTGTGAGCCAGCTTGGTGTGAGCTGGCCTCGTGGAGTTCAGAGACCTCAACGAATCCGTGAGCGCCTT  
 CCAGAGACGCTTCGTGGTAGACGTCCGGCGCTGCGAGGAAGTGGAGAAGACGTTTACCTTCTTCCGGGAA  
 GAAGTGCAGCGGGCAGGTCTGACGCTGGCCCCACCTGAGGGGACACTGCCAGCACCACTCCCCGAGACC  
 TGCTGCGCATCCAGGAGGAAACGGATCGCTTGGCCAGGAGCTTCGGGATGTTCTGTGGCAATCAGCAGGC  
 ACTGCGGGCCAGCTGCACCAGCTGCGGCTTCACTCGGCTGTGCTGGCCAGAGCCACAGCCCGCCGGTG  
 GCAGCTGACCATACTGAAGGACCTTCTGTGAGACAACACCCCTGCTTCCAGGCACCCGGGGCCACATT  
 CAGACCTGAAGGTCAATTTGTGGCAGGTGCTGTGGAGCCCTACAAGGCTGCGGCCCTGGAGCCCTGCT  
 GTGGAGAGCTTGGCGGGCTTCTCATTGCCAGCTTTCGGGAGACTGAGGGGCAGCTGGAGACCCAGTG  
 ACGGGTGAGCCTGCAACTTGGATGACCTTTGTCACTCCTACTGGGGTGAGCAGATCGGACAGAAGATCC  
 GAAAGATCACAGACTGCTTCCACTGTATGCTTCCCATACCTGGAGCAGGAGGAAGCCCGTTCAGGAC  
 CTTGCAGCAGCTGCAGCAGCAAAGCCAGGAGCTTCAGGAAGTCCCTGGGGGAGACAGACCGGTTCTGAGC  
 CAGGTGTTGGGCCGGGTGCAGCAGCTGTGCCCCATGGCAGGTGCAGATCCACAAGATGAAGGCAGTGT  
 ACCTGACCCTCAACCAGTGCAGTGTGAACACCACACAAGTGCCTCATCGCGGAGGTCTGGTGTGCCGC  
 GAGGGACCTGCCACTGTGCAGCAGGCGCTGCAGAGCGGCTCAAGTGAGGAAGGAGTGAGTGTGTGCTG  
 CACCGCATCCCCGCCAGGACATGCCTCAACCCTCATCAGGACCAACCGCTTACCTCCAGCTTCCAGG  
 GCATTGTGGATGCCTATGGTGTGGCCGCTACAGGGAAGTTAACCTGCTCCCTACACCATCATACATT  
 CCCCTTCTCTTCGCTGTGATGTTTGGCGATGTGGGGCACGGACTGCTCATGTTTTCTCTTTGCCCTGGCC  
 ATGGTCTCACTGAAAACCGTCCAGCTGTGAAGGCTGCACAAAACGAGATCTGGCAGACCTTCTTTGGGG  
 GTCGATACCTACTCCTGCTCATGGGTCTGTTCTCCGTCTACACTGGCTTCTACAATGAGTGTCTCAG  
 CCGAGCCACCACTATTTCCCTCAGGTTGGAGTGTGGCTGCCATGGCCAACCAGTCAGGCTGGAGTGAC  
 GAGTATCTGTCCAGCACTCCATGCTCACCTGAACCCTAACATCACTGGTGTCTTCTTGGACCATATC  
 CCTTTGGCATTGACCCGATCTGGAGCCTGGCCACGAACCACCTGAGCTTCTCAACTCCTCAAGATGAA  
 GATGTCTGTATCCTTGGGGTACGCACATGGCCTTTGGGGTGTCTCAGCATCTCAACCACGTGCAC  
 TTTGGCCAGGCCACCGCTACTGCTGGAGACCTTGCTGAGCTCATCTTCTGCTGGGTCTCTTTGGCT  
 ACCTTGTGTTCTCATTGTCTACAAGTGGTGAATGTCTCAGCTGCTAGCGCCTCCTCGGCCCCAGTAT  
 CCTCATCACTTCAATATGTTCTCTCTCAAAACCCACCAATCATCTGCTTCCATGGGCAG  
 GAAGTGGTACAGTACGTGCTGGTGGTCTGGCTTTGGCTACCGTTCTATCCTGTTGCTGGGCACACCCCT  
 TGTACCTGCTGCGCCAGCACCCGCCACAGAAGAACTCAGAGAAGGCCAGCAGGCCAGCAGGATGAGGA  
 CACGGACAAGCTTCTGGCCTCCCTGATGCATCCACCTTGAGAACAGCTGGAGCCCTGATGAGGAGAAG  
 GCTGGGAGCCAGGGGATGAAGAACTGAGTTTGTCCCTTCTGAGATCTTATGCACCAAGCAATCCACA  
 CCATTGAGTCTGCTGGGCTGCATCTCAACACAGCCTCCTACTTGGCTCTGGGCCCTGAGCCTGGC  
 CCATGCCAGCTGTCTGAGGTCCTGTGGCCATGGTGTGCGCATAGGCCCTGGGCATGGGCCGAGAGATC  
 GCGTGGCAGCTGTGGTGTGGTCCCTGTGTTGCTGCCTTTGCTGTGTTGACTGTGGCCATCCTGTTAG  
 TGATGGAGGGGCTCTCAGCCTTCTGCATGCCCTGCGGTTGCACTGGGTGGAGTTCAGAACAAAGTTCTA  
 TTCAGGCACCGGCTACAAGCTCAGCCCTTACCTTCACTGTGGACAGTGACT**AG**

**ACGGCT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_016921  
**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>	<u><a href="#">NM_016921.3</a></u> , <u><a href="#">NP_058617.3</a></u>
<b>RefSeq Size:</b>	2741 bp
<b>RefSeq ORF:</b>	2505 bp
<b>Locus ID:</b>	27060
<b>Cytogenetics:</b>	19 3.62 cM