

## Product datasheet for **MR225533**

### **Tcirg1 (NM\_016921) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tcirg1 (NM_016921) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide  
Sequence:

>MR225533 representing NM\_016921  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTCTATGTTCCGGAGTGAAGAGGTGGCCTTGGTCCAGCTCCTGTTGCCACAGGGTCTGCTTACA  
 ACTGTGTGAGCCAGCTTGGTGGCTGGCCCTCGTGGAGTTCAGAGACCTCAACGAATCCGTGAGCGCCTT  
 CCAGAGACGCTTCGTGGTAGACGTCCGGCGCTGCGAGGAAGTGGAGAAGACGTTTACCTTCTGCGGGAA  
 GAAGTGCAGCGGGCAGGTCTGACGCTGGCCCCACCTGAGGGGACACTGCCAGCACCACTCCCCGAGACC  
 TGCTGCGCATCCAGGAGAAACGGATCGCTTGGCCAGGAGCTTCGGGATGTTCTGGGAATCAGCAGGC  
 ACTGCGGGCCAGCTGCACCAGCTGCGGCTTCACTCGGCTGTGCTGGCCAGAGCCACAGCCCGCCGGTG  
 GCAGCTGACCATACTGAAGGACCTTCTGAGACAACACCCCTGCTTCCAGGCACCCGGGGCCACATT  
 CAGACCTGAAGGTCAATTTGTGGCAGGTGCTGTGGAGCCCTACAAGGCTGCGGCCCTGGAGCGCCTGCT  
 GTGGAGAGCTTGGCGCGCTTCTCATTGCCAGCTTTCGGGAGACTGAGGGGCAGCTGGAGACCCAGTG  
 ACGGGTGAGCCTGCAACTTGGATGACCTTTGTATCTCCTACTGGGGTGAGCAGATCGGACAGAAGATCC  
 GAAAGATCACAGACTGCTTCCACTGTATGCTTCCCATACCTGGAGCAGGAGGAAGCCCGTTCAGGAC  
 CTTGCAGCAGCTGCAGCAGCAAAGCCAGGAGCTTCAGGAAGTCCCTGGGGGAGACAGACCGGTTCTGAGC  
 CAGGTGTTGGGCCGGGTGCAGCAGCTGTGCCCCATGGCAGGTGCAGATCCACAAGATGAAGGCAGTGT  
 ACCTGACCCTCAACCAGTGCAGTGTGAACACCACACAAGTGCCTCATCGCGGAGGTCTGGTGTGCCGC  
 GAGGGACCTGCCACTGTGCAGCAGGCGCTGCAGAGCGGCTCAAGTGAGGAAGGAGTGAGTGTGTGCTG  
 CACCGCATCCCCTGCCAGGACATGCCTCCAACCCTCATCAGGACCAACCGCTTCACTCCAGCTTCCAGG  
 GCATTGTGGATGCCTATGGTGTGGCCGCTACAGGGAAGTTAACCTGCTCCCTACACCATCATACATT  
 CCCTTTCTCTCGCTGTGATGTTTGGCGATGTGGGGCAGGACTGCTCATGTTTTCTTTGCCCTGGCC  
 ATGGTCTCACTGAAAACCGTCCAGCTGTGAAGGCTGCACAAAACGAGATCTGGCAGACCTTCTTTGGGG  
 GTCGATACCTACTCCTGCTCATGGGTCTGTTCTCCGTCTACACTGGCTTCTACAATGAGTGTCTCAG  
 CCGAGCCACCACTATTTCCCTCAGGTTGGAGTGTGGCTGCCATGGCCAACCAGTCAAGCTGGAGTGAC  
 GAGTATCTGTCCAGCACTCCATGCTCACCTGAACCCTAACATCACTGGTGTCTTCTTGGACCATATC  
 CCTTTGGCATTGACCCGATCTGGAGCCTGGCCACGAACCACCTGAGCTTCTCAACTCCTCAAGATGAA  
 GATGTCTGTATCCTTGGGGTACGCACATGCCCTTTGGGGTGTCTCAGCATCTCAACCACGTGCAC  
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 GAAGTGGTACAGTACGTGCTGGTGGTCTGGCTTTGGCTACCGTTCTATCCTGTTGCTGGGCACACCTT  
 TGTACCTGCTGCGCCAGCACCGCCACAGAAGAACTCAGAGAAGGCCAGCAGGCCAGCAGGATGAGGA  
 CACGGACAAGCTTCTGGCCTCCCTGATGCATCCACCTTGGAGAACAGCTGGAGCCCTGATGAGGAGAAG  
 GCTGGGAGCCAGGGGATGAAGAACTGAGTTTGTCCCTTCTGAGATCTCATGCACCAAGCAATCCACA  
 CCATTGAGTCTGCTGGGCTGCATCTCAACACAGCCTCCTACTTGGCTCTGGGCCCTGAGCCTGGC  
 CCATGCCAGCTGTCTGAGGCTGTGGCCATGGTGTGCGCATAGGCCCTGGGCATGGGCCGAGAGATC  
 GCGTGGCAGCTGTGGTGTGGTCCCTGTGTTGCTGCCTTTGCTGTGTTGACTGTGGCCATCCTGTTAG  
 TGATGGAGGGCTCTCAGCCTTCTGCATGCCCTGCGGTTGCACTGGGTGGAGTTCAGAACAAAGTTCTA  
 TTCAGGCACCGGCTACAAGCTCAGCCCTTCACTTCACTGTGGACAGTGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225533 representing NM\_016921  
Red=Cloning site Green=Tags(s)

MGSMFRSEEVALVQLLLPTGSAYNCVSQLGELGLVEFRDLNESVSFAFQRRFVVDVRRCEELEKTFTFLRE  
EVQRAGLTLAPPEGLPAPPPRDLLRIQEETDRLAQELRDVRGNQQALRAQLHQLRLHSAVLGQSHSPPV  
AADHTEGPFSETTPLLPGTRGPHSDLKVNFAVAVPEPYKAAALERLLWRACRGFLIASFRETEGQLEDPV  
TGEPATWMTFVISYWGEQIGQKIRKITDCFHCHVFPYLEQEEARFRTLQQLQQQSQELQEVLETDRFLS  
QVLGRVQQLLPPWQVQIHKMKAVYLTNLQCSVNTTHKCLIAEVWCAARDLPTVQQALQSGSSEEGVSAVA  
HRIPCQDMPPTLIRTNRFTSSFQGIVDAYGVGRYREVNPAFYTIITFPFLFAVMFGDVGHLLMFLFALA  
MVLTENRPAVKAAQNEIWQTFGGRYLLLLMGLFSVYTGFIYNECFSRATTIFPSGWSVAAMANQSGWSD  
EYLSQHSMLTLNPNITGVFLGPYPFGIDPIWSLATNHLNLSFKMKMSVILGVTHMAFGVFLSIFNHVH  
FGQAHRLLELPELIFLLGLFGYLVFLIVYKWNVSAASASSAPSILIHFINMFLFSQNPTNHLHFHGQ  
EVVQYVLLVVALATVPIILLGTPLYLLRQHRHRNTQRRPAGQQDEDTKLLASPDASTLENSWSPDEEK  
AGSPGDEETEFVPSEIFMHQAIHTIEFCLGCISNTASYLRWALSLAHAQLSEVLWAMVMRIGLGMGREI  
GVAAVVLPVFAAFVAVLTVAILLMEGLSAFLHALRLHWVEFQNKFYSGTGYKLSPTFTTVDS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/ja3064\\_e10.zip](https://cdn.origene.com/chromatograms/ja3064_e10.zip)

Restriction Sites: Sgfl-Mlul



- 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\\_016921.3](#), [NP\\_058617.3](#)

**RefSeq Size:** 2741 bp

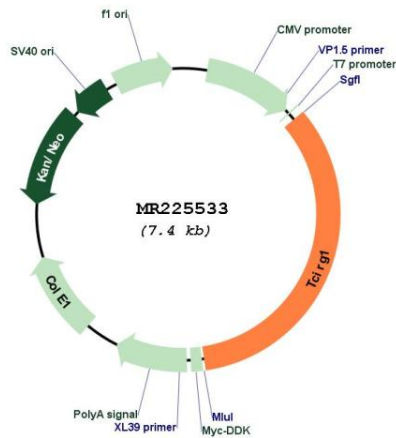
**RefSeq ORF:** 2505 bp

**Locus ID:** 27060

**Cytogenetics:** 19 3.62 cM

**MW:** 93.5 kDa

**Product images:**



Circular map for MR225533