

## Product datasheet for **MC208047**

### Tgtp1 (NM\_011579) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tgtp1 (NM_011579) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tgtp1
Synonyms:	Gtp2; Irgb6; Mg21; Tgtp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC208047 representing NM_011579 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTTGGGCTCCAGCTTTGATGCATCTTTAAGAATTTAAAAGGGAAAGCAAATCATCTCTGAAT  
ATGACATCACCTTGATTGACTTACATAGAGGAAAATAAGCTACAGAAAGCTGTTTCTGTAATTGAAAA  
GGTACTGAGAGACATCGAGAGTGTCTCTGCACATAGCTGTGACAGGGGAAACAGGCGCAGGGAAGTCC  
ACTTTTCATCAATACCCTGAGGGGGTGGGGCATGAAGAAAAGGTGCAGCCCCACTGGGCAATAGAGA  
CAACCATGAAGAGAACTCCATACCCACACCCAAAGCTTCCAACGTGACAATATGGGACCTGCCTGGCAT  
TGGGACCACTAACTTACACCACAAAATCTGACAGAAATGAAGTTTGGTGAGTACGACTTCTTCATT  
ATCATCTCAGCTACACGTTTCAAAGAAAATGATGCACAACTGGCCAAAGCCATTGCACAGATGGGGATGA  
ATTTCTACTTTGTCAGAACCAAGATAGACAGCGACTTAGATAATGAACAGAAGTTAAGCCTAAGAGTTT  
CAATAAGGAGGAAGTCTCAAGAATATTAAGGATTACTGCTCTAATCATCTTCAGGAGTCTCTCGACAGT  
GAGCCTCCAGTCTTCTAGTCTTAACGTTGATATATCGAAGTATGACTTCCCAAAGCTGGAACATAAAC  
TCCTACAGGATCTCCAGCCACAAGCGCCACGTCTTCTCACTGTCTTTGCAAAGCTTACTGAGGCCAC  
CATTAACTACAAGAGAGATTCCCTGAAGCAAAAAGTCTTCTAGAGCCATGAAGGCTGGAGCATTAGCC  
ACCATTCCACTTGGTGGCATGATCAGTGATATCTTAGAGAATCTGGATGAAACATTCAATCTCTACAGGT  
CTTACTTTGGGCTGGATGATGCTTCACTGGAAAACATTGCCAGGATTTGAACATGTCTGTGGATGACTT  
CAAGGTACACCTTCGATTTCCCATTTGTTTGCAGAACACAATGATGAGTCTTAGAAGACAAGCTATTT  
AAATATATCAAACACATTTCTTCAGTACTGGTGGCCAGTCGTCAGTCACTTACTATCGCATGGCTT  
ATTATTTGCAGAACTCTTTCTTGATACTGCAGCCAATGATGCCATAGCTCTTCTGAATAGTAAAGCACT  
TTTTGAGAAGAAGGTGGGACCATATATCTGAGCCCCCGAGTACTGGGAAGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_011579
<b>Insert Size:</b>	1248 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_011579.3</a> , <a href="#">NP_035709.3</a>
<b>RefSeq Size:</b>	2809 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	21822
<b>UniProt ID:</b>	<a href="#">Q62293</a>
<b>Cytogenetics:</b>	11 B1.2
<b>Gene Summary:</b>	Involved in innate cell-autonomous resistance to intracellular pathogens, such as <i>Toxoplasma gondii</i> . During avirulent type II <i>T. gondii</i> infection, recruited to the parasitophorous vacuole (PV) membrane, leading to PV vesiculation and rupture, and subsequent digestion of the parasite within the cytosol (PubMed:19265156, PubMed:24563254). Not recruited to virulent type I <i>T. gondii</i> PV membrane (PubMed:19265156). May confer an antiviral state for vesicular stomatitis virus (PubMed:9725230).[UniProtKB/Swiss-Prot Function]