

## Product datasheet for MC212219

### Tpgs1 (NM\_148934) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tpgs1 (NM\_148934) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tpgs1  
**Synonyms:** AV005629; Gm16517; Gtrgeo22; PGs1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212219 representing NM\_148934  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGCGCTTCGGTCCCGCTGCCCAACAAAGATGGCGGCAGTGGAGAAACGGCGGCCGCGAGTAG  
 CACCAGCGGCAATTTCCCGACAGTGGCCGGACGTCGGTGTCTCAGGCGCGGGCGCCGCTGAGAGCGA  
 GGAGGACTTCTACGGCAGCTCGGCGTGACGGAGATGCTGCGCGCAGCCCTCTAAAGGTCTGGAGATC  
 CGGCCCGAGGAGCCCATCGCCTTCTTGGCGCACTACTTCGAGAACATGGGTCTACGCTCGCCGACCAACG  
 GAGGCGCCGGGGAGCCCCGGGCGAGCTCCTCCTGCAGCAACAGCGCCTGGGCGCGCGCTGTGGCACCT  
 TCGCCTGGCTCACCCTCGCAGAGGACCGCTTCAACAACAACGTGAGCGTGGCCTACGAGTGTCTGAGT  
 GCCAGCGGCCGAAGAAGAAACCGGGCTGGATGGGCGCACGTACAGCGAGCTGCTGAAGCGTGTGTTGCA  
 GGGACGGCGGGGCGCCTGAGGAGGTGGTGGCGCCACTGCTTCGCAAGATCCAGTGCCGGGACCATGAGGC  
 TGTGCCTCTGGGCATCTCAGAACCGCATGCTGTCTGCTTGTGCTGCTGGAATTCGTGGCACGCGCC  
 GGCGCCCTCTCCAGCTGCTGGAGACCCTGGTCAAGCGGTGGCCGATCGGCGTGTGGCCAGGCCGCGG  
 TGGACACACTGGAGGTTGCGCTGAGCGCAGGAGACATGGCAACAGCACCCACGCACTACCTGGAGCCGG  
 TTCGCGCTTGGGCCCTGACAACCTGGCGGTGCCCTGGACAGGGCAGCAAGCGGGCGGCGACCCAGTGTG  
 CCCATGGCCCGGAGGAGTTCCTGGAGAAGGCTGCAGCCCTCTTATTGCCAAGGTCAAGCCAGTGGGCT  
 AA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_148934  
**Insert Size:** 912 bp



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<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_148934.2</a> , <a href="#">NP_683736.1</a>
<b>RefSeq Size:</b>	1101 bp
<b>RefSeq ORF:</b>	912 bp
<b>Locus ID:</b>	110012
<b>UniProt ID:</b>	<a href="#">Q99MS8</a>
<b>Cytogenetics:</b>	10 39.72 cM
<b>Gene Summary:</b>	May act in the targeting of the tubulin polyglutamylase complex. Required for the development of the spermatid flagellum.[UniProtKB/Swiss-Prot Function]