

## Product datasheet for MC201767

### Gmpr2 (NM\_177992) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gmpr2 (NM\_177992) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gmpr2  
**Synonyms:** 1810008P16Rik; 5730544D12Rik; AA959850; GMPR 2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC024109 sequence for NM\_177992  
 GCGGAACGTTTCGAGTGGCCCTGAAGGCTCATCGAGGCTGCACGCGGCTAGTTGCTAAGCAAAAAGAATC  
 TTTGGTCAACTGCCACCTGAGTCAAAGCAACAGGAACCTTGCATCATGCCTCATATTGATAATGATGTGA  
 AACTTGACTTCAAGGATGTCCTGTTGAGGCCCAAACGCAGCACTCTTAAGTCTCGAAGTGAAGTGAAGT  
 CACAAGATCATTTCGTTCCGGAACCTCAAAGCAGATGTACAGTGGCATCCCTGTCAATTGCTGCCAATATG  
 GATACCGTGGGCACTTTTGAATGGCTAGGTTCTCTGTAAGTTCTCCCTGTTCACTGCCATCCATAAGC  
 ACTACAGCATCCATCAGTGGCAAGAGTTTGTAGCCAGAATCCTGACTGTCTTGAGTGTCTAGTCCAG  
 CTCAGGCTCAGGCTCTGCTGACTTTGAGCAGCTGGAACAGATCCTGGAAGCTATCCCAAGTCAAATAT  
 ATATGCCTGGATGTGGCTAACGGCTACTCTGAACATTTTGTGAAATTTGTAAGGATGTACGGAAGCGAT  
 TCCCCAACACACCATCATGGCAGGAAATGTGGTAACAGGAGAGATGGTAGAAGAGTTAATCCTTTCTGG  
 GGCTGACATCATCAAAGTGGGAATTTGGTCTGGCTCTGTCTGTACAACCTCGGAAGAAAACGGAGTGGGG  
 TATCCACAGCTCAGTGCAGTGTGGAGTGTGCAGATGCTGCTCATGGCCTCAAAGGCCATATCATCTCAG  
 ATGGAGGCTGCAGCTGTCTGGGATGTGGCAAAGGCTTTTGGGGCAGGGGCTGACTTTGTGATGTTGGG  
 TGGCATGCTGGCCGGGCACAGTGAATCAGGTGGCGAACTCATTGAGAGAGATGGCAAGAAATATAAGCTC  
 TTCTACGGAATGAGTTCTGAAATGGCCATGAAGAAGTACTCAGGAGGTGTGGCTGAGTACAGGGCCCTCAG  
 AGGGAAAGATAGTAGAAGTCCCCTTAAAGGCGATGTGGAACATACTATTCGTGACATCCTAGGAGGCAT  
 CCGGTCTACATGCACGTATGTAGGGCTGCTAACTGAAGGAACCTAAGCCGGAAGTACTTTTATCCGA  
 GTCACCCAGCAAGTGAATCCAATCTTCAAGCAATCCCAGTAGACCAAGAAGCCTACTTTCTGAGGCAG  
 CAGCACTGCCACTGGAGCCTCCGACAGGGCGTGCCTCTCCCACTGCAGCCCTGTGGTGGTGGCTGCCT  
 AATTTCAGTTCCAGCTCTCACTCTACTCACCCATGCCTCTAGCTGACAAATGTTATGGCACTACGGGAGAG  
 GCGAGGAAGGAGACGTGAGATCAACAAATGAGACCCTGGGGACAGCCCCGAAGATTAGGAAGATGCTAA  
 TCCACACAGAAATGGCAGCCCTTGGTCTGGAAAGGGAAGGCTGCGGGAATCATGTTAAGCAGCTTCATTA  
 AATGACATCATCAGTGTCTAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_177992



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<b>Insert Size:</b>	1047 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="#">BC024109</a></u> , <u><a href="#">AAH24109</a></u>
<b>RefSeq Size:</b>	1531 bp
<b>RefSeq ORF:</b>	1047 bp
<b>Locus ID:</b>	105446
<b>UniProt ID:</b>	<u><a href="#">Q99L27</a></u>
<b>Cytogenetics:</b>	14 C3
<b>Gene Summary:</b>	Catalyzes the irreversible NADPH-dependent deamination of GMP to IMP. It functions in the conversion of nucleobase, nucleoside and nucleotide derivatives of G to A nucleotides, and in maintaining the intracellular balance of A and G nucleotides (Probable). Plays a role in modulating cellular differentiation (By similarity).[UniProtKB/Swiss-Prot Function]