

Product datasheet for **MC200218**

Gmpr2 (BC003886) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gmpr2 (BC003886) 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: >BC003886
 CCCACGCGTCCGCCACGCGTCCGCTGAAGGCTCATCGAGGCTGCACGCGGCTAGTTGCTAAGCAAAGA
 ATCTTTGGTCAACTGCCACCTGAGTCAAAGCAACAGGAACCTTGCATCATGCCTCATATTGATAATGATG
 TGAACCTTGACTTCAAGGATGTCTGTGAGGCCCAAACGCAGCACTCTTAAGTCTCGAAGTGAGGTAGA
 GCTCACAAGATCATTTTTCGTTCGGAACTCAAAGCAGATGTACAGTGGCATCCCTGTCATTGCTGCCAAT
 ATGGATACCGTGGGCACTTTTGAATGGCTAGGGTTCTCTGTAAGTTCTCCCTGTTCACTGCCATCCATA
 AGCACTACAGCATCCATCAGTGGCAAGAGTTTGTAGCCAGAATCCTGACTGTCTTGAGTGTCTAGCTGC
 CAGCTCAGGCACAGGCTCTGCTGACTTTGAGCAGCTGGAACAGATCCTGGAAGCTATCCCCAAGTCAA
 TATATATGCCTGGATGTGGCTAACGGCTACTCTGAACATTTTGTGAATTTGTAAGGATGTACGGAAGC
 GATTCCCCAACACACCATCATGGCAGGAAATGTGGTAACAGGAGAGATGGTAGAAGAGTTAATCCTCTC
 TGGGGCTGACATCATCAAAGTGGGAATTTGGTCTGGCTCTGTCTGTACAACCTCGGAAGAAAACCTGGAGT
 GGGTATCCACAGCTCAGTGCAGTGTGGAGTGTGAGATGCTGCTCATGGCCTCAAAGGCCATATCATCT
 CAGATGGAGGCTGCAGCTGTCCTGGGGATGTGGCAAAGGCTTTTGGGGCAGGGGCTGACTTTGTGATGTT
 GGGTGGCATGCTGGCCGGGCACAGTGAATCAGGTGGCGAACTCATTGAGAGAGATGGCAAGAAATAAAG
 CTCTTCTACGGAATGAGTTCTGAAATGGCCATGAAGAAGTACTCAGGAGGTGTGGCTGAGTACAGGGCCT
 CAGAGGAAAGATAGTAGAAGTCCCCTTTAAAGGCGATGTGGAACATACTATTGCTGACATCCTAGGAGG
 CATCCGGTCTACATGCAGTATGTAGGGGCTGCTAAACTGAAGGAACTAAGCCGGAGAAGTACTTTTATC
 CGAGTCAACCCAGCAAGTGAATCCAATCTTCAAGCAATCCAGTAGACCAAGAAGCCTACTTTCTGAGG
 CAGCAGCACTGCCACTGGAGCCTCCGACAGGGGCTGCCTCTCCACTGCAGCCCTGTGGTGGTGGCTG
 CCTAATTCAGTTCCAGCTCTCACTCACTCACTCACTCACTCACTCACTCACTCACTCACTCACTCACTCACT
 CAGGCGAGGAAGGAGACGTGAGATCAACAATGAGACCTGGGGACAGCCCCCCCCCAGGATTAGGA
 AGATGCTAATCCACACAGAAATGGCAGCCCTTGGTCTGGAAGGGGAGGCTGCGGGAATCATGTTAAGCA
 GCTTCATTAATGACATCATCACGTGTCTAAA AAAAA

Restriction Sites: RsrII-NotI
ACCN: BC003886



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Insert Size:	1047 bp
OTI Disclaimer:	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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">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:	BC003886 , AAH03886
RefSeq Size:	1545 bp
RefSeq ORF:	1047 bp
Locus ID:	105446
Cytogenetics:	14 C3
Gene Summary:	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]