

## Product datasheet for **MC202347**

### MgII (NM\_011844) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MgII (NM\_011844) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** MgII  
**Synonyms:** AA589436; Ma; MagI; Mgl  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC057965 sequence for NM\_011844  
 CGCGCGCAGTAGTCTGGCTCTAGCCCGCCGACACCCCGGACCCCGTGGTCTCGGGGAACGTGACAGCG  
 GCGCTCGTGGCCCGGGCTAAAGACCCCTGCAGGATGCCTGAGGCAAGTTCACCCAGGCGAACTCCACA  
 GAATGTTCCCTACCAGGACCTGCCTCACCTGGTCAATGCAGACGACAGTACCTCTTTGTAGATACTGG  
 AAGCCCACTGGCACACCAAGGCCCTCATCTTTGTGCCATGGAGCTGGGGAACACTGTGGCCGTTATG  
 ATGAGCTGGCTCATATGTTGAAGGGGCTGGACATGCTGGTATTTGCCATGACCATGTTGGCCATGGGCA  
 GAGTGAGGGAGAGAGGATGGTGGTGTCCGACTTCCAAGTTTTGTGAGAGATGTGCTGCAACACGTGGAC  
 ACCATCCAGAAGGACTACCCCGACGTCCCATCTTCTCTGGGCCACTCCATGGGCGGTGCCATCTCCA  
 TCCTAGTGGCTGCAGAGAGGCCAACCTACTTTTCTGGCATGGTCTGATTTACCTCTGGTCTTTGCCAA  
 TCCGGAATCTGCATCGACTTTGAAGTCTTGTGCCAACTGCTCAATTTTGCCTGCCAAATATGACC  
 TTGGGGCGCATTGACTCCAGCGTGTCTCGGAACAAGTCGGAGTTGACCTGTACAACCTGACCCAC  
 TCGTCTGCCGAGCAGGGCTGAAGGTGTGCTTTGGCATAACAGCTGCTGAATGCCGTGCAAGAGTGGAGCG  
 AGCAATGCCAGGCTGACACTGCCATTCCTGCTGCTGCAGGGTTCTGCTGACCCGCTTTGCGACAGCAAA  
 GGTGCCTACCTGCTCATGGAATCATCCCGGAGTCAGGACAAAACACTCAAGATGTATGAAGGTGCCTATC  
 ACGTCTCCACAGGGAGCTTCCGGAAGTGACCAACTCCGTCTCCATGAAGTAAACTCGTGGGTGTCTCA  
 CAGGATAGCAGCAGCAGGAGCTGGGTGTCCACCCTGAACATGCTGGCCAGGCAACCAGCTCATGGTCTGG  
 GGGGAGGCAGGCAGAGGAAGGGCAGTGTGGTGGCTCAAAAAAAAAAAAAAAAAATCACAAATTGGAGGA  
 ACCCTTAGTACCCTAGTCAACTTGCTTTGGGAAAAAAAAAAAAAAAAAGGATCATTTGTATATAGATGGCTACT  
 GGCCACTGATCTACTACCTTAAGGAGCAGGCACCTTATGAAGGAGGGAGTATATTTCTACACAGAGACT  
 GTGTGGAATATCCTTTGAATTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_011844  
**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="#">BC057965</a> , <a href="#">AAH57965</a>
<b>RefSeq Size:</b>	1316 bp
<b>RefSeq ORF:</b>	912 bp
<b>Locus ID:</b>	23945
<b>UniProt ID:</b>	<a href="#">O35678</a>
<b>Cytogenetics:</b>	6 D1
<b>Gene Summary:</b>	<p>This gene encodes a monoglyceride lipase, which catalyzes the hydrolysis of monoglycerides into fatty acids and glycerol. This enzyme is also thought to hydrolyze the endocannabinoid 2-arachidonoylglycerol. Alternatively spliced transcript variants have been described. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (b) is shorter than isoform a.</p>