

## Product datasheet for **MC222214**

### Gm5591 (NM\_001013810) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gm5591 (NM_001013810) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gm5591
Synonyms:	EG434171
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC22214 representing NM\_001013810  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCAGAAAACCTCCAAAGTTCACCTTTCTTTGGGACAGAAAGTCTTTCAGCCCTCTCTGCCTGTGA  
 TGAACAACCTCTACACACTCAGGAAGGGTGTGCAACACCTCCAGTGTTCACCCAGCTGTGAGTTAGC  
 ATGGATCTACCAAGCACCACACTTCTGTCCAGGTGATCACAGGCAGAGCCTACCTTAACCCACAT  
 GCTGGCAAGACCATGCTGGTGGAGCTTACTGAACAGAGCCAGAATCAACCTCTGCACTCTTCTATCCAG  
 GTGTTCTCAAGTGGAACTCGCAGAAAGCAAAGATAGGGGAGATGCAATCCAGGAATCAATATGACCAT  
 CACTAACCAAGACACTGGACTCTCTCCCTGTCTGTGACATCCCAGTGTGATAAAATTTAGATCCCAAT  
 ACCATAGCCCCTTTCCATCCATCACTTTTAACCAAGTTTGTCCAAGTTACACCACCACAGGTACCAGATC  
 AAGGATACAGCCTGGCACCTTCTACCAGGATGGCAGCCAGGTGACTACTACAACCACAATTGCCTGGA  
 CCGTCTGATACCCGGAGAACTAGGACAGTGTTCAGTCTACAGCTCTGTGCTCCTACCCGTGAGCAAG  
 GGGTCTGCCCCTCAACCAGAGATGCTGATGGTGGGAAAGGAGATTAGCCAAAGGAATGTCCAAATACCAA  
 TCTCCACCTCTGGCTTCTCTATTCCACATCTGGTCAAAATATGCCAGACATCAGTCTTCAGGTGGTGA  
 CATGGAGACATCCCAAGGATTGCTACCCTCGGGCCAGACAGTCACTGTGTCACAGTCCAGAATCTGC  
 AATATTTCCACCGAGGTTTTCCAGATGAGGAAAACACCTGTCAATGGGGACAGGTTATTAACAGCCCCCG  
 TGTACAGTTCTTCAAATTCATGACCTTGCCCTAGCTCCAATCCTGGAAGAAAGAGAGAATGAAAAAT  
 GCTTGAGATGAAAGCTGAGCTGTCAATGCCTCGGGATGCCTATGAGGGCACTAAAGAAAACCAAGGACCA  
 TCACACCTTCTTTACTGCACCCTGACTGCATGATAACAAGAAGTCTAAGACCGAAATCTGCTTCTGACA  
 ATGCCACCATGGAAGGCATTAGTGTAGGTCTGGAAGAGCAAGAGAAGCTGGAGAATGAGATGGATCCAG  
 AAACAACCTTTGACGACATCACTACACTGGGAACAGGTGATCACCTTCTCAGTTCTTCAAACCCCTCAAA  
 GACATAGACTGGGGCCCTCCCCTTCAGAGCTGGAGAGTCAAGAGAGTCTGAAAAGGTGACAGAGA  
 ATGACCTAAAAACCTCTGACCTGCTCGATGGAGCTCCTCAGGCTAAAATCCAGCACCAAGACCTGGTCAG  
 GGTAGAGGGCAGTGGGGCTGTGCAAAGGACAAGGAAAGAGCTATTGACAACATCTCAAAGCATCTGGAG  
 GGCAAAGCTCCCAAGAGGCACCCAGCAGGCACAGAAGAGGTAGAAAACAGGGGCAAGAAAGACCAAGTG  
 GGCCAGAGAACAACCTCAAGAAAACACAGGAGCTTAAGCAGTCAAGGGACAGAGTCAAAGCAGAAGAGAA  
 GCCCACCATCCCAAGACCAAGAGGAAGACGAACCCACCTGAGCTCAGTCAAACAGCTTCAAGAAGCCT  
 CGAACCCACCTTGGCATGCATGCTGGAGTCCGTGCAGGTCTTCCACCCACTCGGGAAGAAGATTGAGA  
 AGAAAACCTGGCATCTCTTCTTCCGGGGTCTGAGAACCTCCACCAACAACAAGATCGAGGCCCAGGCC  
 AGCCACCCAGCAGTCTAGATATGCCACCTGAGGGCCGGGGTCTGACAGAATCCAGGTAAAGCTCAG  
 AGAGTGAAGATCAGTGTCAAGGAGTGTACATCTCCATCCCAGTACGAGCTGCCCTGCCTGGGAAGG  
 TCAAGTTAGTACCTTTGCCTTTCCCAACACTGGACCAGCCTCAAGCCAGACCTGCTTCTAGAAAAGCCT  
 CCCCCTGGCTTACACAGGCCACTGCAGCTTACCCTGTGAGGCTTATCCCCACTCAGCTCATCCATCC  
 CAACCAGTCTGTGACACATCTCTGATGGCCTCTGCCAATTCAGTCTCCAATTTCCCCAGTGCTA  
 CACAACCTAATGCAGCCAACACCAAGTCACTAGTGTATGCCTCAGTTGGCCACATGAGGCTTGTACC  
 CTACAGAGCATCTCTCACACTTCATCCAGAGAGAGCTTATTTCTTCTGGCAGGAAGAAGGCACCATCA  
 CTACCCAAACCTCAAACCAACATCGACTGCAAGACTTCAGCTGCCAATCAATTCCATGGAGGAAAGTCG  
 ACATTCTGGGACAGTCACTCTCACAGCCATCACAAAAGAGCAGAGGCCAGAGGGGAGGCCATGAAGAG  
 TTGTGCTCAACAGGAGCGTGAGAATGCTGCCAAGTGTAGCTCTCTGGGAAACTACAGATTTTCTTCCAC  
 AGGGAAACTGATATGGAAACTTCTTTTATTATGGCTATGCAATG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001013810  
**Insert Size:** 2568 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="#">NM_001013810.2</a></u> , <u><a href="#">NP_001013832.1</a></u>
<b>RefSeq Size:</b>	3441 bp
<b>RefSeq ORF:</b>	2568 bp
<b>Locus ID:</b>	434171
<b>Cytogenetics:</b>	7