

## Product datasheet for **MC203593**

### Gja5 (NM\_008121) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gja5 (NM_008121) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gja5
Synonyms:	5730555N10Rik; Cnx40; Cx40; Gja-5
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC053054  
 ATAAACAGTGGGCAGTTGAACAGCAGCCAGAGCCTGAAGAAGCCAACCTCCAGGGAGGAGGAAAGGAAGCAG  
 AAGGCTCGGCCTCGGTCTCCTACTCTTGCCAAGATGGGTGACTGGAGCTTCTGGGGAGTTCTGGAGG  
 AGGTCCACAAGCACTCCACAGTCATCGGCAAGGTCTGGCTCACTGTCCTGTTTATTTCCGCATGCTGGT  
 CCTGGGCACCCGCTGCTGAGTCTCTGGGGAGATGAGCAGGCCGACTTCCGGTGCATACCATTACAGCT  
 GGTTGCCAAAATGTCTGCTATGACCAAGCCTTCCCACATCTCCCACATTGTTATTGGGTACTGCAGATCA  
 TCTTTGTGTCCAGCCTTCTCTAGTGTACATGGGCCATGCCATGCACACTGTGCGCATGCAGGAAAAGCA  
 GAAATTGCGGGATGCTGAGAAAAGCTAAAGAGGCCACCAGCACTGGTGCCTATGAGTACCCAGTAGCCGAA  
 AAGGCCGAGCTGTCTGTGAAAAGAGTAGATGGGAAGATTGTCTCCAGGGCACCTACTCAACACCT  
 ATGTCTGCACCATTCTGATCCGCACCACCATGGAGGTGGCCTTCATCGTAGGCCAGTACCTCCTCTATGG  
 GATCTTCTGGATACCCTGCATGTCTGCCGAGGAGTCCCTGTCCCACCAGTCAACTGTTATGTTTCG  
 AGGCCACGGAGAAGAATGTCTTATTGTCTTTATGATGGCTGTGGCTGGACTGTCTGTGTTCTCAGCC  
 TGGCTGAACTCTACCACCTGGGCTGGAAGAAGATCCGACAGCGCTTTGGCAAGTACGGCAGGGTGTGGA  
 CAAGCACCAGCTGCTGGCCCTCCCACCAGCCTCGTCCAGAGCCTCACTCCTCCCCTGACTTCAATCAG  
 TGCTAAAGAACAGCTCCGGAGAGAAAATCTTCCAGCGACTTCAGTAATAACATGGGCTCCCGGAAGAAATC  
 CAGACGCTCTGGCACTGGGGAAGTGCCAAACCAGGAGCAGATCCAGGGGAAGGCTTATCCACATGCA  
 CTATAGCCAGAAGCCAGAGTACGCCAGTGGAGCCTCTGCGGGCCACCGCCTTCTCAGGGTACCATAGT  
 GACAAACGGCGCCTTAGTAAGGCCAGCAGCAAAGCAAGGTGAGATGACCTGTGATGATCCTCCTTTT  
 AGGGAGGGCCAGGCCAGGAGGGATCTAAGGAGTGTGAGGCAGGAAAGAAACAGTCTCTCTCGTATGGT  
 ATACTCTCTCAGCACTACTTTGCTGTCTGTCTGGTCTGGGTGGCATTCAATGGCATTCAATGCTC  
 GTTATCCTCAAATACAGTTCTGAGTCTTCTCAATGACTGGGCTACTCCTCAAGTCTATTCCCTCCTA  
 CTCATCTACCAGTATTCACAGTGAAGCCATAGTGGAGGCAGGATCAGGAACCGTGGCAAAATCTGGTGTG  
 GGGAGGACAGGTTCAACACCAGCAACATACCAGATAGACCCCCACCCACCCCAAGTCTTCTTTGGTA  
 CTATGCCATCCTCTTGTGTTTGTGTTTGTGTTTCTTAAGAGCCCAAGGTTGAGAGTATTCATCAA  
 GTAATCTGCCCTGTATCATTCTTTGAATCAGTTGTTTCCATGTGCCATACCTCGGAGTGTGGTGAAGT  
 AACTGTGGGCTGCCCTTGGCTGCATCTCCTTCTCCAGTCTTAAAGGGGTATCCTTGGTCTTGGCCAG  
 CATCAGATTTACAAGTGCCTTGGTATGTACCTTTGGCAAATGTTTCATGTTGATGATGTCTCAGCCTTAC  
 TGCCAGGCTAGACACCCAGCTCGTAAGGGTGCCAAAGACCTCCAGAAGTCACTGTGCACACAAGCATCGT  
 GGAATTGCCACCAGCTGTATCCTGCGGCTCTTATAGTTTAACTAATGACAGAAACCATCCTGGCCGG  
 CTCACCCACCGTCTCTAAAATCTTTGTTAACAGGAATGTCAAAGTCAACATCCTCTCTTGGATCCTG  
 GCCAGATTACCAGCCACCAAGTTCAGTGAATTTCCCAGGATTTACTGAAACAAAGAGAGCATTGTGCT  
 TCTCGGGTCTTCTGGGTCTGGGATGGGGTGGAGGGGAAATTTCTGCTGTGAAGATGAAAAGGTGGGG  
 GGAGGACTGAAAAACTATTTCCCTTCTGTGTATGCCTTCCACTGTCTGCCAGCTTTTAAATGCCGAGA  
 GGTGTGGTGTAGCAATTGAGGCCAAGATCTCTCTTAGAGGCATCAAGGAGACATGGAAGCAGAAAGGG  
 TCCAGTTGGTTTGGACCCTTATTTAGTGCAGATATTCCTATGTTTTCTTGGTACCCTAGGTACAACAGG  
 GGAGGACTGTAGAAAACTCCTGCCTTCTCAGGGTCTATCCTGGGGTATCTACTGAGTGGATCCATCTTA  
 TGCAGATGGAAGAAGCTCAGCACCAGATACCGAGATTTACAAACACAATACTGTGTGTGTGTGTGTGT  
 GTGTGTGTGTGTGTGTGTTGTGTGTGCATGCCATCCATCTCTGTGTGCCTCTGTGTGTGTGTGTGT  
 GTGTGCATGCAGATAGAATGGTGAAGAAGAGCCCTGAAGAACGATAAGGAAACATGTAGAGAAACTGGG  
 TCTTTCTGCTTCTTCTCAGTTGTCTGGCAGGAGGGCTGAGCTTGCTTCTTAATCAGCCTAAAGATCAGG  
 CATGAGAAGTTCAGGAGGGTGAAGGGTCAAGAGTCACTCCCTGTCCCAGTGACCCATCTCTGGTCCCTC  
 TGCTGGCATTGTTGCTACTAATGGATAGAAAGAAATGACTGAGGATACCTGGGAAAGGAAGACGGGC  
 TGTTCCAGTCCCAGTGCATTTCCATTCCCAGACTGGCACTAAGACTCTCTGTTCTGGCTATGGAGT  
 GTGTGTTTGTGTTTCTGAAATGGGATTTTTTTGAATTAGAAAATCTGAGACCAGTCGTTGATGGTGAAGT  
 TTTTTGTTTTCTGTTTTTTTTTTTTTTTTTTTTTTTTCAGAAAGAGAAAGAGGAAATACTATGTTTGACTGGT  
 TTTAAATAAAATCTATCTACATGCCAAA AAAAAAAAAAAAAAAAAA

**Restriction Sites:** AscI-NotI

**ACCN:** NM\_008121

**Insert Size:** 1077 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>	<a href="#">BC053054</a> , <a href="#">AAH53054</a>
<b>RefSeq Size:</b>	3166 bp
<b>RefSeq ORF:</b>	1077 bp
<b>Locus ID:</b>	14613
<b>UniProt ID:</b>	<a href="#">Q01231</a>
<b>Cytogenetics:</b>	3 42.04 cM
<b>Gene Summary:</b>	<p>One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>