

## Product datasheet for **MC208556**

### Gjc1 (NM\_008122) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gjc1 (NM_008122) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gjc1
Synonyms:	C130009G16Rik; Cnx45; Cx45; Gja-7; Gja7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208556 representing NM_008122 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTTGGAGCTTCTGACTCGCTGCTAGAGGAGATCCACAACCATTGACATTTGTAGGAAGATCT  
GGCTCACTGTGCTGATTGTCTTTTCAATTGCTCAACTGCTGTAGGAGGAGAGTCCATCTACTATGATGA  
ACAAAGCAAATTTGTGTGCAACACAGAGCAGCCGGGCTGTGAGAATGTCTGCTATGATGCCTTTGCCCG  
CTCTCCCAGTGCCTTCTGGGTATTCCAGATCATCCTGGTTGCAACTCCCTCTGTGATGTACCTGGGAT  
ATGCTATTCATAAGATTGCCAAAATGGAGCATGGCGAGGCAGACAAGAAGGCAGCTCGGAGCAAACCTA  
TGCCATGCGTTGGAAACAGCACCCGGCTCTGGAAGAAACGGAAGAGGACCATGAAGAGGATCCTATGATG  
TATCCAGAGATGGAGTTAGAAAGCGAAAAAGAAAATAAAGAGCAGAGCCAACCAAAACCTAAGCATGATG  
GCCGACGACGAATTCGAGAGGATGGGCTCATGAAAATCTATGTGTTGCAGCTGCTGGCCAGGACTGTGTT  
TGAGGTGGGCTTTCTAATAGGGCAGTATTTCTGTATGGCTTCCAAGTCCACCCATTTTATGTGTGCAGC  
AGACTTCTTGCCTCATAAGATAGACTGCTTTATTTCTAGACCCACTGAAAAGACCATCTTCTTCTGA  
TAATGTATGGTGTACAGGCCTGCTTATTGCTTAACATTTGGGAGATGCTTCACTTAGGGTTGGGAC  
AATTCGAGACTCACTAACAGTAAAAGGAGGGAACCTTGATGATCCGGGTGCTTATAATTATCCTTCACT  
TGAACACACCCCTGCTCCCCCTGGCTATAACATTGCTGTCAAACAGATCAGATCCAGTACACTGAGC  
TGTCCTAATGCTAAGATTGCTACAAGCAAAACAAAGCCAATATTGCCAGGAACAGCAGTACGGCAGCCA  
CGAGGAACACCTCCCGGCTGATCTGGAGACTCTGCAGCGGGAGATCAGAATGGCTCAGGAACGCTTGGAC  
CTAGCAATCCAGGCCTACCATCACAAAACAACCCCATGGTCTCGGGAAAAGAAGGCCAAAGTGGGGT  
CCAAATCTGGGTCCAACAAAAGCAGTATTAGTAGCAAAATCAGGGGATGGGAAGACCTCCGTCTGGATTTA  
A

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_008122
<b>Insert Size:</b>	1191 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_008122.3</a></u> , <u><a href="#">NP_032148.1</a></u>
<b>RefSeq Size:</b>	2533 bp
<b>RefSeq ORF:</b>	1191 bp
<b>Locus ID:</b>	14615
<b>UniProt ID:</b>	<u><a href="#">P28229</a></u>
<b>Cytogenetics:</b>	11 E1
<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 (1) represents the longest transcript. Variants 1 through 4 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>