

## Product datasheet for **MC218094**

### Gjc1 (NM\_001159382) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gjc1 (NM\_001159382) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gjc1  
**Synonyms:** C130009G16Rik; Cnx45; Cx45; Gja-7; Gja7  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC218094 representing NM\_001159382  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGTTGGAGCTTCCTGACTCGCCTGCTAGAGGAGATCCACAACCATTGACATTTGTAGGGAAGATCT  
GGCTCACTGTGCTGATTGTCTTTTCGAATTGTCCTAACTGCTGTAGGAGGAGAGTCCATCTACTATGATGA  
ACAAAGCAAATTTGTGTGCAACACAGAGCAGCCGGCTGTGAGAAATGCTGCTATGATGCCTTTGCCCG  
CTCTCCCACGTGCGCTTCTGGGTATTCCAGATCATCCTGGTTGCAACTCCCTCTGTGATGTACCTGGGAT  
ATGCTATTCATAAGATTGCCAAAATGGAGCATGGCGAGGCAGACAAGAAGGCAGCTCGGAGCAAACCCCTA  
TGCCATGCGTTGGAAACAGCACCAGGCTCTGGAAGAAACGGAAGAGGACCATGAAGAGGATCCTATGATG  
TATCCAGAGATGGAGTTAGAAAGCGAAAAAGAAAAATAAGAGCAGAGCCAACCAAAACCTAAGCATGATG  
GCCGACGACGAATTCGAGAGGATGGGCTCATGAAAATCTATGTGTTGCAGCTGTGGCCAGGACTGTGTT  
TGAGGTGGGCTTTCTAATAGGGCAGTATTTCTGTATGGCTTCCAAGTCCACCCATTTTATGTGTGCAGC  
AGACTTCCTTGCCTCATAAGATAGACTGCTTTATTTCTAGACCCACTGAAAAGACCATCTCCTTCTGA  
TAATGTATGGTGTACAGGCCTCTGCCTATTGCTTAACATTTGGGAGATGCTTCACTTAGGTTTGGGAC  
AATTCGAGACTCACTAAACAGTAAAAGGAGGAACTTGATGATCCGGGTGCTTATAATTATCCTTTCACT  
TGGAAACACACCCTCTGCTCCCCCTGGCTATAACATTGCTGTCAAACCAGATCAGATCCAGTACACTGAGC  
TGTCCAATGCTAAGATTGCCTACAAGCAAAAACAAAGCCAATATTGCCAGGAACAGCAGTACGGCAGCCA  
CGAGGAACACCTCCCGGCTGATCTGGAGACTCTGCAGCGGGAGATCAGAAATGGCTCAGGAACGCTTGGAC  
CTAGCAATCCAGGCTACCATCACCAAAACAACCCCATGGTCTCGGGAAAAGAAGGCCAAAGTGGGGT  
CCAAATCTGGGTCCAACAAAAGCAGTATTAGTAGCAAATCAGGGGATGGGAAGACCTCCGCTGGATTTA  
A

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001159382
<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_001159382.1</a></u> , <u><a href="#">NP_001152854.1</a></u>
<b>RefSeq Size:</b>	1984 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 (2) represents use of an alternate promoter and 5' UTR, compared to variant 1. Variants 1 through 4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>