

## Product datasheet for **RN210107**

### Gjc1 (NM\_001085381) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gjc1 (NM_001085381) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gjc1
Synonyms:	Cx45; Gja7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210107 representing NM_001085381 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTTGGAGCTTCCTGACTCGCTGCTAGAGGAGATACACAACCATTGACGTTTGTAGGAAGATCT  
GGCTCACTGTGCTGATTGTCTTTTCAATTGTCCTAACTGCGGTAGGAGGAGAGTCCATCTACTATGATGA  
GCAAAGCAAATTTGTGTGCAACACAGAGCAGCCGGGCTGTGAGAAGCTGCTATGATGCCTTTGCCCG  
CTCTCCCAGTGCCTTCTGGGTATTCCAGATCATCTGGTTGCTACTCCCTCGGTGATGTACCTGGGAT  
ATGCTATTCACAAGATTGCCAAAATGGAGCACGGCGAGGCAGACAAGAAGGCAGCTCGGAGCAAACCTA  
TGCCATGCGTTGGAAGCAGCACCCGGGCTCTGGAAGAAACGGAAGAGGACCATGAAGAGGATCCTATGATG  
TACCCAGAGATGGAGTTAGAAAGCGAGAAAGAAAATAAAGAGCAGAGCCAACCAAAACCAAGCATGATG  
GCCGCCGACGCATTTCGTGAGGATGGGCTCATGAAAATCTATGTGTTGCAGCTGCTAGCCAGGACTGTGT  
TGAGGTGGGCTTCTCATAGGGCAGTATTTCTGTATGGCTTCCAAGTACACCCATTTTATGTGTGCAGC  
AGACTTCTTGTCTCATAAGATAGACTGCTTTATTTCTAGCCCACTGAAAAGACCATCTTCTTCTGA  
TAATGTATGGTGTACAGGCCTGCTTATTGCTTAACATTTGGGAGATGCTTATCTAGGGTTTGGGAC  
CATTGAGACTCACTAACAGTAAAAGGAGGGAACCTTGATGATCCGGGTGCTTATAATTATCCTTTCACT  
TGAATACACCATCTGCTCCCCAGGCTATAACATTGCTGTCAAACAGATCAAATCCAGTACACTGAT  
TGTCCTAATGCTAAGATTGCCTACAAGCAGAAACAAAGCCAATATCGCCAGGAGCAGCAGTATGGCAGCCA  
CGAGGAGCACCTCCCGGCGATCTGGAGACCCTGCAGCGGGAGATCAGAATGGCCAGGAACGCTTGGAT  
CTAGCAATCCAGGCCTACCATCACCAGAACAAACCCCATGGTCTCGGAAAAGAAGGCCAAAGTGGGGT  
CCAAATCTGGGTCCAACAAAAGCAGTATTAGTAGCAAAATCAGGAGATGGGAAGACCTCCGTCTGGATTTA  
A

**ACGGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Chromatograms:</b>	<a href="https://cdn.origene.com/chromatograms/ja2423_c06.zip">https://cdn.origene.com/chromatograms/ja2423_c06.zip</a>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001085381
<b>Insert Size:</b>	1191 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<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="#">NM_001085381.1</a> , <a href="#">NP_001078850.1</a>
<b>RefSeq Size:</b>	1599 bp
<b>RefSeq ORF:</b>	1191 bp
<b>Locus ID:</b>	266706
<b>UniProt ID:</b>	<a href="#">A4GG66</a>
<b>Cytogenetics:</b>	10q32.1
<b>Gene Summary:</b>	component of gap junctions; involved in intercellular communication in arterial smooth muscle [RGD, Feb 2006]