

## Product datasheet for RN212251

### Gja3 (NM\_024376) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gja3 (NM_024376) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gja3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212251 representing NM_024376 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCGACTGGAGCTTCTGGGGCGGCTGCTGGAGAATGCGCAGGAGCACTCTACAGTCATCGGCAAGG  
TGTGGCTGACCGTCTGTTCATCTTCCGCATTCTGGTGTGGGGCGGCAGCCGAGGAGGTGTGGGGTGA  
TGAGCAGTCGGACTTCACCTGCAACACACAGCAGCCAGGCTGTGAGAAGTCTGTACGACCGTGCCTTC  
CCCATCTCGCACATTCGCTTCTGGGCGCTGCAAATCATCTTCGTGTCCACGCCACCCTCATCTATCTGG  
GCCAGTGTGCACATCGTGCATGGAGGAGAAGAAGAAGAGCGGGAGGAGGAGCTGCTGAGGAGAGA  
CAACCCTCAGCACGGCCGTGGTTCGGGAACCAATGCGTACAGGGAGCCCGGGGACCCGCCACTGCGCGAT  
GACCGTGGCAAGGTGCGNATCGCAGGCGCGCTGCTGCGGACCTACGTCTTCAACATCATCTTCAAGACGC  
TCTTCAAGTGGGTTTCATCGCGGGCCAGTACTTTCTATATGGCTTCCAGCTGCAGCCGCTTTACCCTG  
CGACCGCTGGCCCTGCCCAACACCGTGGACTGCTTCACTCCAGGCCACGGAGAAGACCATCTTTGTT  
ATCTTCAAGTGGGTTTCATCGCGGGCCAGTACTTTCTATATGGCTTCCAGCTGCAGCCGCTTTACCCTG  
AGAAGCTCAAGCAGGGAGTTACCAACCACTTCAACCCAGATGCCTCAGAAGTCAGGCACAAGCCCTTGA  
CCCCATCCGAGGCCGCAACTCTGGCCCTCCAGCGTCTCCATTGGGTTGCCACCTTATTACACACAC  
CCTGCCTGTCCCACAGTACAGGAAAGGCCACAGGGTTTCTGGGGCCCCACTGCTACCAGCAGACTTCA  
CAGTGGTGACCTAAACGATGCGCAAGGCAGAGGCCACCCGGTCAAGCACTGCAATGGCCACCACCTGAC  
GACAGAGCAGAAGTGGCCAGCCTAGGGGCGAGCCGAGACTCCAGCCAGCAAGCCCTTTCAGCAGCC  
TCCAGCCCTCATGGCCGAAGGGGCTCACTGACAGCAGTGGCAGCAGCTTAGAGGAGAGTGCCTTGGTGG  
TGACACCAGAGGGAGAGCAGGCTTTGGCGACCACAGTGGAGATGCACTCCCCACCGTTGGTCTCTCTGGA  
CCCAGAAAGTCCAGCAAGTCCAGCAGCGGACGAGCCAGACCAGGTGACTTGCCATCTAG

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja2014\\_d05.zip](https://cdn.origene.com/chromatograms/ja2014_d05.zip)



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_024376
<b>Insert Size:</b>	1251 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_024376.1</a> , <a href="#">NP_077352.1</a>
<b>RefSeq Size:</b>	1590 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	79217
<b>UniProt ID:</b>	<a href="#">P29414</a>
<b>Cytogenetics:</b>	15p12
<b>Gene Summary:</b>	lens gap junction protein; oligomerizes into intercellular channels and functions to exchange low molecular weight metabolites and ions between adjacent cells; induces voltage-gated currents in nonjunctional plasma membrane [RGD, Feb 2006]