

## Product datasheet for **MC208554**

### Gja3 (NM\_016975) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gja3 (NM_016975) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gja3
Synonyms:	Cnx46; Cx43; Cx46; Gja-3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC208554 representing NM_016975 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGCGACTGGAGCTTCTGGGGCGGCTGCTGGAGAACGCACAGGAGCACTCTACAGTCATCGGCAAAG  
TGTGGCTGACCGTGTTCATCTTCCGCATTCTGGTGTAGGGGCGGCAGCCGAGGAGGTGGGGCGA  
CGAGCAATCGGACTTCACCTGCAACACACAGCAGCCAGGCTGTGAGAACGTCTGCTACGACCGCGCTTTC  
CCATTTTCGCACATCCGCTTCTGGGCGCTGCAAATCATCTTCGTGTCTACGCCACCCCTCATCTATCTGG  
GCCACGTGCTACACATCGTGCATGGAGGAGAAGAAGAAGAGCGGGAGGAAGAGCTGCTGAGGAGAGA  
CAACCCTCAGCACGGCCGTGGTCGCGAGCCAATGCGTACAGGGAGCCCGGGGACCCTCCACTACGCGAT  
GACCGTGGCAAGGTGCGCATCGCAGGTGCGCTGCTGCGGACCTACGTCTTCAACATCATCTTCAAGACAC  
TCTTCGAAGTGGGGTTCATCGCGGGCCAGTACTTTCTATACGGCTTCCAGCTGCAGCCACTTTACCGCTG  
CGACCGCTGGCCCTGCCCAACTGTGGACTGTTTCATCTCCAGGCCACAGAGAAGACCATCTTTGTC  
ATCTTCATGCTGGCTGTGGCCTGTGCGTCACTGGTACTCAACATGCTGGAGATTTACCACCTGGCTGGA  
AGAAGCTCAAGCAGGGAGTTACTAACCACTTCAACCCAGATGCCCTCAGAAGCCAGGCACAAGCCCTTGG  
CCCCCTACCCACGCCACCAGCTCTGGCCCGCCAGCGTCTCCATCGGGTTCACACCTTATTACACACAC  
CCTGCCTGTCCCACAGTACAGGCAAAGGCCATAGGGTTTCTGGGGCCCCACTATCACCAGCAGACTTCA  
CAGTGGTACTCTAAACGATGCTCAAGGCAGAAACCACCCAGTCAAACTGCAATGGCCACCACCTGAC  
GACAGAGCAGAAGTGGACCAGGCAAGTGGCAGAGCAGCAGACTCCAGCCAGCAAGCCCTTTCAGCAGCA  
TCCAGCCCTGATGGCCGCAAGGGGCTCATTGACAGCAGTGGCAGCAGTTACAGGAGAGTGCCTTGGTAG  
TGACGCCAGAGGAGGGGAACAGGCTTTGGCCACCACAGTGGAGATGCACTCGCCACCGTTGGTCTCTCT  
GGACCCAGGAAGGTCCAGCAAGTCCAGCAACGGACGTGCCAGACCAGGTGACTTGGCCATC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_016975
<b>Insert Size:</b>	1254 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="#">NM_016975.3</a> , <a href="#">NP_058671.2</a>
<b>RefSeq Size:</b>	2696 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	14611
<b>UniProt ID:</b>	<a href="#">Q64448</a>
<b>Cytogenetics:</b>	14 29.82 cM
<b>Gene Summary:</b>	Structural component of lens fiber gap junctions. Gap junctions are dodecameric channels that connect the cytoplasm of adjoining cells. They are formed by the docking of two hexameric hemichannels, one from each cell membrane. Small molecules and ions diffuse from one cell to a neighboring cell via the central pore.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.