

## Product datasheet for **MC217137**

### **Gja10 (NM\_010289) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gja10 (NM_010289) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gja10
Synonyms:	Cx-57; cx57; Cx59
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217137 representing NM\_010289  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGAGATTGGAATTTACTGGGTGGCATCCTAGAGGAAGTCCACTCCACTCCACTATAGTGGGAAGA  
TCTGGCTGACCATCCTCTTCATCTTCCGAATGCTGGTACTTGGTGTGCTGCTGAGGACGCTGGGATGA  
TGAGCAGTCCGCCTTTGCCTGCAACACCCAGCAGCCCGTTGCAACAATATCTGTTACGATGATGCTTTC  
CCCATCTCTTTGATCAGATTCTGGGTTTTGCAGATCATCTTTGTGTCTTCCCTTCTTTGGTGTATATGG  
GCCATGCCCTTTATAGACTCAGGGACTTTGAGAAGCAGAGGCAGAAGAAGAAGTTATACCTTAGAGCCCA  
GATGGAGAATCCAGAGCTCGACCTGGAGGAGCAACAAAGGGTAGATAAAGAGCTGAGGAGACTCGAGGAG  
CAGAAGAGGATTCATAAAGTCCCTCTGAAAGGATGTCTGCTGCGCACCTATGTCTTACACATCTGACCA  
GATCAGTGTAGAAAGTAGGGTTCATGATAGGCCAATATATCTCTATGGGTTTCAAATGCACCCCATTTA  
CAAGTGCACCCAAAGCCCTGCCCAATTCAGTGGACTGCTTTGTTTCCAGGCCACAGAGAAGACCATT  
TTCATGCTTTTTCATGCACAGCATTGCAGCCATCTCCTTGTACTCAATATCCTGGAAATATTTTCATCTCG  
GCATCAGGAAAATCATGAGGGCACTCGATGGCAAATCCAGCAGTGGGAACACTGAGAACGAAACAGGCC  
TCCATTCCATTCAACAACTACTCAGGGACCCAGCAGTGTATGATCTGTTCTTTACCTGAAAGAATC  
TCACTACTTCAAGCCAACAATAAACAGCAAGTCATCCGAGTCAATATACCACGGTCTAAAAGCATGTGGC  
AAATCCACACCCAGGCAACTTGAGGTAGATGTATCCTGTGGCAAAAGAGACTGGGCTGAGAAAATTGA  
GAGCTGTGCACAGCTCCACGTCCACAGCCCTGCCACATGACCCGAGTCCAGAATTGAGCACCCTGGA  
CAGCAACCGTGCCATTCTGTCTTTGGCCCAAGAATGCAATGTCTCAGTCTTGGTTCGGTACAATGACGG  
CTTCTCAACACCGTCCATCATCTGCGTTAGAAACCTGGGAGCGATCCAGGGCCAGAAGCTTCAGGGAG  
ATCTCTCACAGATCGCCAGAGTCACTTCCAAGGCAGTGACGGCAGTGCAAGAGAGAGTGGGGTTTGGACA  
GACAGATTAGGCCAGGAAGTCGCAAGGCCAGCTTTCTATCGAGGCTGATGTGAGAAAAGGGACAACGGC  
ATAGTGACTCAGGAAGCTCACGGTCTCTGAATAGTTTCTGCTTGGATTTTTCACACGGAGAAAATAGCCC  
ATCACCTCTGCCGTCTGCCACTGGGCACAGAGCATCGATGGTAAGTAAAAGCAGCCATGTTGATTACCT  
CCTCACTCTTCTTTCATCATACATGAGACATATGTATATGTGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_010289

**Insert Size:** 1518 bp

**OTI Disclaimer:** 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).

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_010289.2](#), [NP\\_034419.2](#)

**RefSeq Size:** 1518 bp

**RefSeq ORF:** 1518 bp

**Locus ID:** 14610

**UniProt ID:** [Q9WUS4](#)

**Cytogenetics:** 4 14.25 cM

**Gene Summary:** 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. Involved in tracer coupling between horizontal cells of the retina. May play a role in the regulation of horizontal cell patterning.[UniProtKB/Swiss-Prot Function]