

Product datasheet for **RN207122**

Gja4 (NM_021654) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gja4 (NM_021654) Rat Untagged Clone
Tag: Tag Free
Symbol: Gja4
Synonyms: CXN37
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN207122 representing NM_021654
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGTGACTGGGCTTCTCGGAGAAGCTGCTAGACCAGGTCCAGGAGCACTCGACCGTGGTGGCAAGA
TCTGGTTAACGGTCTTTCATCTCCGAATCCTCATCCTGGGCCTGGTGGTGGTGGGCGA
CGAGCAGTCTGATTTGGAATGTAACACAGCCAGCCAGGCTGCACCAATGTGTGCTATGACCAGGCTTTC
CCCATCTCCACATCCGATACTGGGTGCTGCAGTTCCTCTTCGTGAGCACACCCACCTGATCTACCTGG
GCCACGTCAATTTACCTGTCTCGGCGGAAGAACGGTTGCGGCAGAAAGAGGGAGAGCTTCGGGCACTGCC
ATCCAAGGACCTCATGTAGAGCGGGCACTAGCAGCCATAGAACATCAGATGGCCAAGATCTCGGTGGCA
GAGGACGGTCTGCTTCGCATTCGAGGGGCGCTCATGGGTACCTACGTGATCAGTGTGCTGTGAAGAGTG
TGCTGGAGGCAGGCTTCTCTATGGCCAGTGGCGTCTCTACGGCTGGACCATGGAGCCGGTGTGGTG
CCAGCGTGGCCCTGCCCCACGTGCTGGACTGCTACGTCTCTCGACCCACCGAGAAGACCATCTTCATC
ATTTTCATGTTGGTGGTAGGGTTCATCTCCTTGGTGTCAACCTACTGGAGCTGGTGCACCTGTTGTGCC
GCTGTGTCAGCCGGGAGATAAAGGCACGGAGGACCATGACACCCGCGGCTCAGGGCAGTGCCTCAGA
CCCTTACCCTGAACAGGTTTTCTTCTACCTCCCATGGGCGAGGGACCCTCGTCCCACCGTGTCCACC
TACAATGGGCTCTCATCCACTGAGCAAACTGGGCAATTTGACCACCGAGGAGAGACTGACCTCTACCA
GACCTCCCCATTTGTAATGCAGCCCCCAGGGTGGCCAGAAGTCTCTAGCCGCCCAACAGCTCTGC
ATCCAAGAAGCAGTATGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_021654



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Insert Size:	1002 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:	<ol style="list-style-type: none">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_021654.2 , NP_067686.1
RefSeq Size:	1617 bp
RefSeq ORF:	1002 bp
Locus ID:	25655
UniProt ID:	Q03190
Cytogenetics:	5q36
Gene Summary:	gap junction protein that mediates cell-cell communication; may mediate hyperexcitability following nerve injury [RGD, Feb 2006]