

Product datasheet for RN216679

Gjc2 (NM_001100784) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gjc2 (NM_001100784) Rat Untagged Clone
Tag: Tag Free
Symbol: Gjc2
Synonyms: Cx47; Gja12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216679 representing NM_001100784
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGACCAACATGAGCTGGAGCTTCTGACGCGGCTGCTGGAGGAGATCCACAATCATTCCACCTTCGTGG
GCAAAGTTTGGCTCACTGTACTGGTGGTCTTCCGATTGTGCTAACGGCTGTCGGTGGTGGTCCATCTA
TTCAGATGAGCAATCCAAGTTCACCTGCAACACGCGCCAACCGGGTTGTGACAACGTCTGCTACGACGCC
TTTGCGCCCTGTCTCATGTGCGCTTCTGGGTCTTCCAGATAGTGGTCATCTCTACACCTTCTGTATGT
ACCTGGGCTATGCTGTCCATCGCTGGCGCGCCTCGGAGCAGGAGCGCAGGCGGGCCCTCCGACGTCCG
CCCTGGCCCCCGCGCTTGGCCAGGGCGCAGCTGCCACCGCCACCACCTGGCTGGCCGGACACCACCGAT
CTGGGCGAGGCGGAGCCATACTGGCGCTGGAGGAGGATGAGGACGAGGAACCAGGGGCGCCGAGGGCC
CCGGGAAGACACGAGGAGGAGCGAACGGAAGATGTGGCTGCCAAGGGGGCGGAGGTGATGAAAGAC
GGTGGTCACTCCTGGCCCGCGGGCAGCATGACGGGCGCGCGCATCCAGAGGGAGGGCCTGATGCGC
GTGTACGTAGCTCAGCTGGTGGTTAGGGCGCCTTCGAGGTGGCCTTCTGGTGGCCAGTACCTACTGT
ATGGCTTCGAGGTGCGCCCTTCTTGGCTGCAGCCGCCAGCTTGCCACACGTAGTGGACTGCTTCGT
GTCGCGCCAACCGAGAAGACTGCTTCTTGTGTTATGTATGTGGTTAGCTGCCTATGCCTGTTGCTC
AACCTTTGTAAATGGCACACCTGGGTCTCGCGAGTGCAGGACGCTGTGCGCGCCGTCGGGGAGCCT
CAGCGGCTGGTCTGGTCCCGCGCCGCGCCACCACCCTGCGCTTCCCGGCTGCGCGCGGGCCTGGC
TTGCCCTCCGACTACAGCCTGGTAGTGCCTGCAGCTGAGCGCGCGAGCGCACGATCAGAACCTGGCG
AACCTGGCACTGCAGGCGCTGCGTATGGGGCGCGGTGGCGCGGTTTCCGCGGATCGCGACAGTCCGC
CGTGTTCAGGGCTCAATGCAACCTCTCGGGGACCACCCAGGGCGGGCGGCCAGCTTCCGGAACCGGTAG
CGCCACGTGCGGGGTACCGTTGGAGAGCAGGGCAGGTCGGGAGCTCAGGAACAGCTCGCCACTAAGCCC
AGGGTTGGCTCTGAGAAGGGCAGTACAGGCAGCAGAGACGGCAAGGCCACCGTGTGGAT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001100784
Insert Size:	1323 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001100784.1, NP_001094254.1</u>
RefSeq Size:	2081 bp
RefSeq ORF:	1323 bp
Locus ID:	497913
UniProt ID:	<u>Q80XF7</u>
Cytogenetics:	10q22
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. May play a role in myelination in central and peripheral nervous systems (By similarity). [UniProtKB/Swiss-Prot Function]