

# Product datasheet for RC212096

### GJC2 (NM\_020435) Human Tagged ORF Clone

Myc-DDK

Neomycin

GJC2

**Expression Plasmids** 

pCMV6-Entry (PS100001)

Kanamycin (25 ug/mL)

GJC2 (NM\_020435) Human Tagged ORF Clone

CX46.6; Cx47; GJA12; HLD2; LMPH1C; LMPHM3; PMLDAR; SPG44

### **Product data:**

Product Type:

Product Name:

Tag:

Symbol:

Synonyms:

Selection: Vector:

Mammalian Cell

E. coli Selection:

#### OriGene Technologies, Inc.

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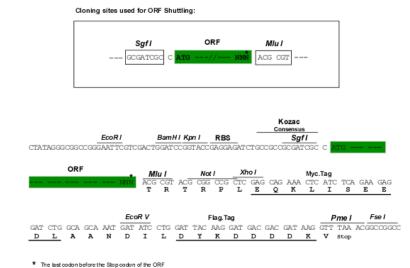
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	GJC2 (NM_020435) Human Tagged ORF Clone – RC212096
ORF Nucleotide Sequence:	<pre>&gt;RC212096 representing NM_020435 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGACCAACATGAGCTGGAGGTTCCTGACGGGGCTGCTGGAGGAGATCCACAACCACTCCACCTTCGTGG GCAAGGTGTGGCTCACGGTGGTGGTCTTCCGGATCGTGCTGACGGCTGTGGGCGGCGAGGCCATCTA CTCGGACGAGCAAGGTCACTTGCAACACGGCGGCCAGGCCAGGCTGCGACAACGTCTGCTATGACGCC TTCGCGCCCTGTCGCACGTGCGCTTCTGGGTCTTCCAGATTGTGGTCATCTCCACGCCCTCGGTCATGT ACCTGGGCTACGCCGTGCACCGCCGGCGCGTGGGGCTTGAGCAGGAGGAGGAGGAGGCGGCCCGCGCCGCCGCCGC CCCGGGGCCACGCCGCCCCGACGCCCTGCGCCCCGCCGCCGCCGGCCTGACGCCGCGC CCGGGGCAGGAAGCCCATGCTGGGCCTGGGCGACGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
	ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	<pre>&gt;RC212096 representing NM_020435 Red=Cloning site Green=Tags(s)</pre>
	MTNMSWSFLTRLLEEIHNHSTFVGKVWLTVLVVFRIVLTAVGGEAIYSDEQAKFTCNTRQPGCDNVCYDA FAPLSHVRFWVFQIVVISTPSVMYLGYAVHRLARASEQERRRALRRPGPRRAPRAHLPPPHAGWPEPAD LGEEEPMLGLGEEEEEETGAAEGAGEEAEEAGAEEACTKAVGADGKAAGTPGPTGQHDGRRRIQREGLM RVYVAQLVARAAFEVAFLVGQYLLYGFEVRPFFPCSRQPCPHVVDCFVSRPTEKTVFLLVMYVVSCLCLL LNLCEMAHLGLGSAQDAVRGRRGPPASAPAPAPPPPCAFPAAAAGLACPPDYSLVVRAAERARAHDQNL ANLALQALRDGAAAGDRDRDSSPCVGLPAASRGPPRAGAPASRTGSATSAGTVGEQGRPGTHERPGAKPR AGSEKGSASSRDGKTTVWI
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk8114_h05.zip
<b>Restriction Sites:</b>	Sgfl-Mlul

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#### **Cloning Scheme:**

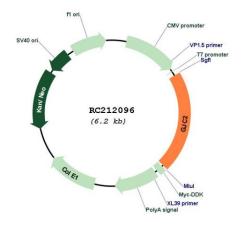


	<ul> <li>Ine ass coop before the supposable of the UKP</li> </ul>
ACCN:	NM_020435
ORF Size:	1317 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, 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 <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 020435.4</u>

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RefSeq Size:	2411 bp
RefSeq ORF:	1320 bp
Locus ID:	57165
UniProt ID:	<u>Q5T442</u>
Cytogenetics:	1q42.13
Protein Families	: Ion Channels: Other
MW:	47 kDa
Gene Summary:	This gene encodes a gap junction protein. Gap junction proteins are members of a large family of homologous connexins and comprise 4 transmembrane, 2 extracellular, and 3 cytoplasmic domains. This gene plays a key role in central myelination and is involved in peripheral myelination in humans. Defects in this gene are the cause of autosomal recessive Pelizaeus-Merzbacher-like disease-1. [provided by RefSeq, Jul 2008]

## **Product images:**



Circular map for RC212096

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