

Product datasheet for MC215861

Gjc2 (NM_080454) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Gjc2 (NM_080454) Mouse Untagged Clone

Tag: Tag Free

Symbol: Gjc2

Synonyms: B230382L12Rik; Cx47; Gja12

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn





Fully Sequenced ORF:

>MC215861 representing NM_080454

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGACCAACATGAGCTGGAGCTTCCTGACGCGGCTGCTGGAGGAGATCCACAATCATTCCACCTTCGTGG GCAAAGTTTGGCTCACTGTGCTGGTGGTCTTCCGCATTGTGCTGACAGCCGTCGGTGGTGAGTCCATCTA TTCAGATGAGCAATCCAAGTTCACCTGCAACACGCGGCAACCGGGTTGTGACAACGTCTGCTATGACGCC TTTGCGCCCCTGTCTCATGTGCGCTTCTGGGTCTTCCAGATAGTGGTCATCTCCACACCTTCTGTCATGT ACCTGGGCTATGCAGTCCACCGCTTGGCGCGGGCCTCGGAACAGGAGCGCAGACGCGCTCTCCGACGTCG CTGGGAGAGGCGGAGCCCATATTGGCTCTAGAGGAGGATGAGGACGAGGAGCCGGGGGCCCCGAGGGCC CCGGAGAAGACACGGAGGAGGAGCGAGCGGAGGATGTGGCTGCCAAAGGGGGCGGAGGTGATGGCAAGAC GTGTACGTGGCTCAGCTGGTGGTTAGGGCGGCCTTCGAGGTGGCCTTTCTGGTGGGCCAGTACCTACTGT ACGGCTTCGAGGTGCCACCCTTCTTTGCCTGCAGCCGCCAGCCTTGCCCCCACGTAGTGGATTGCTTCGT GTCGCGGCCGACCGAGAAGACGGTCTTCTTGCTGGTCATGTACGTGGTTAGCTGTCTATGCTTGTTGCTC AACCTCTGTGAGATGGCGCACCTGGGTCTCGGCAGTGCGCAGGATGCTGTGCGCGGCCGTCGGGGAGCCT CAGCGGCGGGGCCTGGCCCCACGCCGCCCCACGCCCTGCGCTTTCCCGGCCGCGGCCGCCGGCCTGGC AACCTAGCGCTGCAGGCGTTGCGCGATGGGGCGGCGGTGGCGGCGGTTTCCGCGGACCGCGACAGTCCGC CGTGCGCTGGGCTCAATGCAACCTCTCGGGGGGGCACCCAGGGTGGGCGGCCTAGCTTCCGGAACCGGCAG AGGGCTGGCTCTGAAAAGGGCAGTACAGGCAGCAGAGACGGCAAGGCCACCGTGTGGATC<mark>TGA</mark>

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_080454
Insert Size: 1323 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 custsupport@origene.com 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. More info

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).



Cytogenetics:

Reconstitution Method: 1.

- 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 080454.4</u>, <u>NP 536702.3</u>

11 37.05 cM

 RefSeq Size:
 2188 bp

 RefSeq ORF:
 1323 bp

 Locus ID:
 118454

 UniProt ID:
 Q8BQU6

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.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) uses a different segment for its 5' UTR, compared to variant

2. Variants 1 and 2 encode the same protein.