

Product datasheet for MR225203

Gjc3 (NM_080450) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gjc3 (NM_080450) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gjc3
Synonyms:	Cx29; Gje1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225203 representing NM_080450 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCTGCTGGAGTTGCCAATCAAGTGCAGGATGTGCGGCAGGTTCTGAGACAGCTATTGGCTCAGG
AGAGCCAGCACTCCACCCTGTGGGGCGCTTCCTTCTCCCATGCTCATGGGATCCGTCTCCTGATCTT
GGTTTCCAGTGGACCTGGGGTTTTCGGCAATGATGAGAATGAATTCATATGTCATTTAGGGCAGCCAGGC
TGCAAGACCATTGCTATGATGTCTTCGCCCTCTCTCCATTGCGCTTCTGGGCCTTCCAAGTCATTC
TGATGGCTGTACCCAGTGCCATTTATGTGGCTTTCACTCTGTATCATGTGATTGGATACTGGGAGGTACC
AGGAAAGGAAAACAAGGAGCAAGAGACCCAGATTAGCAAAGGGGATCATAGCAAGGATGTCTCAGGGGCT
AAAAGCCTCAAGCTTCTCTGGGCCTATGTGGCACACCTTGGGGTACGGCTGGCCCTTGAGGGAGCAGCTC
TAGGTGTTCAGTACAATCTGTATGGTTTCAAGATGTCCAGCACTTTTATATGTCGTGAGGATCCTTGTAT
TGGCAGCACAACTGTTTCCAGTCTCACCCCTCTGAGAAGACCATCTTCCTCAACATCATGTTTGGGATC
AGCGGGGCTGTTTCTTATTTATTTCTTGAGCTTGCCTTTTGGGTTAGGGAGGTTTTGGAGGATAT
ACAAGCACAACTTCTTCTTAAAGAAGTTGCCAACTCAGAGAGCTCTGTAAGATCCAAGGACACAAC
CGATGAATTGTCAGTGGTGGAGGCAAAAGAGCCATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR225203 representing NM_080450
 Red=Cloning site Green=Tags(s)

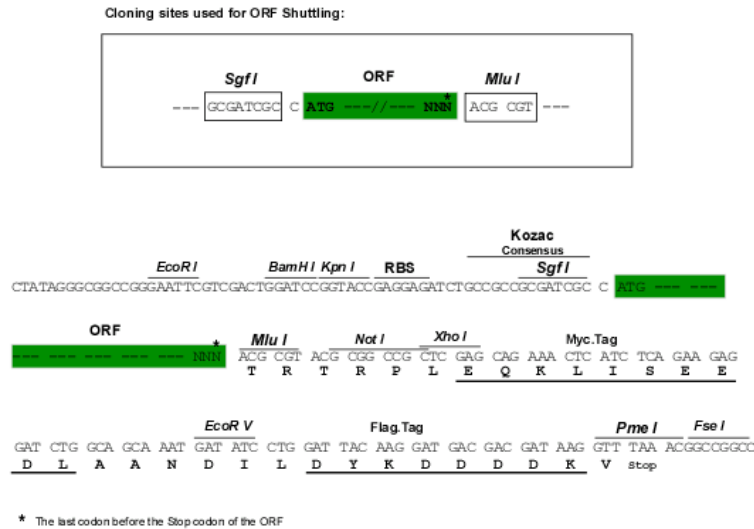
MLLLELPIKCRMCGRFLRQLLAQESQHSTPVGRFLLPMLMGFRLLILVSSGPGVFGNDENEFICHLGQPG
 CKTICYDVFRPLSPLRFWAFQVILMAVPSAIYVAFTLYHVIGYWEVPKGNKEQETQISKGDHSDVSGA
 KSLKLLWAYVAHLGVRLALEGAALGVQYNLYGFKMSSTFICREDPCIGSTTCFQSHPSEKTIIFLNIMFGI
 SGACFLFIFLELALLGLGRFWRIYKHKLSFLKKLPTSESSVRSDTTDELSVVEAKEPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9063_b04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_080450

ORF Size: 807 bp

OTI Disclaimer: 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](#)

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_080450.5

RefSeq Size: 3515 bp

RefSeq ORF: 810 bp

Locus ID: 118446

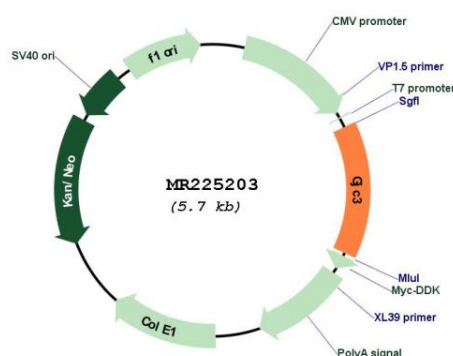
UniProt ID: Q921C1

Cytogenetics: 5 G2

MW: 30.3 kDa

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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225203