

Product datasheet for **MG225203**

Gjc3 (NM_080450) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gjc3 (NM_080450) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gjc3
Synonyms:	Cx29; Gje1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225203 representing NM_080450 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCTGCTGGAGTTGCCAATCAAGTGCAGGATGTGCGGCAGGTTCTGAGACAGCTATTGGCTCAGG
AGAGCCAGCACTCCACCCTGTGGGGCGCTTCCTTCTCCCATGCTCATGGGATCCGTCCTGATCTT
GGTTTCCAGTGGACCTGGGGTTTTCGGCAATGATGAGAATGAATTCATATGTCATTTAGGGCAGCCAGGC
TGCAAGACCATTGCTATGATGTCTTCGCCCTCTCTCCATTGCGCTTCTGGGCCTTCCAAGTCATTC
TGATGGCTGTACCCAGTGCCATTTATGTGGCTTTCACTCTGTATCATGTGATTGGATACTGGGAGGTACC
AGGAAAGGAAAACAAGGAGCAAGAGACCCAGATTAGCAAAGGGGATCATAGCAAGGATGTCTCAGGGGCT
AAAAGCCTCAAGCTTCTCTGGGCCTATGTGGCACACCTTGGGGTACGGCTGGCCCTTGAGGGAGCAGCTC
TAGGTGTTCAGTACAATCTGTATGGTTTCAAGATGTCCAGCACTTTATATGTCGTGAGGATCCTTGTAT
TGGCAGCACAACTGTTTCCAGTCTCACCCCTCTGAGAAGACCATCTTCCTCAACATCATGTTTGGGATC
AGCGGGGCTGTTTCTTATTTATTTCTTGAGCTTGCCTTTTGGGTTAGGGAGGTTTTGGAGGATAT
ACAAGCACAACTTCTTCTTAAAGAAGTTGCCAACTTCAGAGAGCTCTGTAAGATCCAAGGACACAAC
CGATGAATTGTCAGTGGTGGAGGCAAAAGAGCCATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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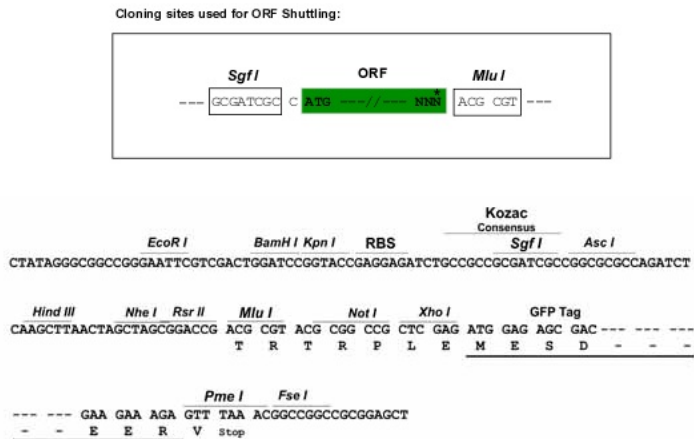
Protein Sequence: >MG225203 representing NM_080450
 Red=Cloning site Green=Tags(s)

MLLLELPIKCRMCGRFLRQLLAQESQHSTPVGRFLLPMLMGFRLLILVSSGPGVFGNDENEFICHLGQPG
 CKTICYDVFRPLSPLRFWAFQVILMAVPSAIYVAFTLYHVIGYWEVPGKENKEQETQISKGDHSDVSGA
 KSLKLLWAYVAHLGVRLALEGAALGVQYNLYGFKMSSTFICREDPCIGSTTCFQSHPSEKTIIFLNIMFGI
 SGACFLFIFLELALLGLGRFWRIYKHKLSFLKKLPTSESSVRSKDTTDELSVVEAKEPF

TRTRPLE – GFP Tag – V

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

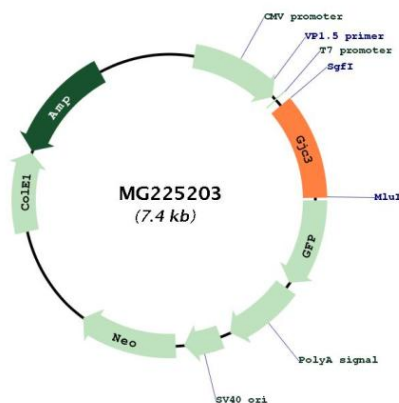
Locus ID: 118446

UniProt ID: [Q921C1](#)

Cytogenetics: 5 G2

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 MG225203