

Product datasheet for MR220955

Gjc1 (NM_008122) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gjc1 (NM_008122) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gjc1
Synonyms:	C130009G16Rik; Cnx45; Cx45; Gja-7; Gja7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220955 representing NM_008122 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTTGGAGCTTCTGACTCGCTGCTAGAGGAGATCCACAACCATTGACATTTGTAGGAAGATCT
GGCTCACTGTGCTGATTGTCTTTTCAATTGCTCTAACTGCTGTAGGAGGAGAGTCCATCTACTATGATGA
ACAAAGCAAATTTGTGTGCAACACAGAGCAGCCGGGCTGTGAGAATGTCTGCTATGATGCCTTTGCCCG
CTCTCCCAGTGCCTTCTGGGTATTCCAGATCATCTGGTTGCAACTCCCTCTGTGATGTACCTGGGAT
ATGCTATTCATAAGATTGCCAAAATGGAGCATGGCGAGGCAGACAAGAAGGCAGCTCGGAGCAAACCTA
TGCCATGCGTTGGAAACAGCACCCGGGCTCTGGAAGAAACGGAAGAGGACCATGAAGAGGATCCTATGATG
TATCCAGAGATGGAGTTAGAAAAGCGAAAAAGAAAATAAAGAGCAGAGCCAACCAAAACCTAAGCATGATG
GCCGACGACGAATTCGAGAGGATGGGCTCATGAAAATCTATGTGTTGCAGCTGCTGGCCAGGACTGTGTT
TGAGGTGGGCTTTCTAATAGGGCAGTATTTCTGTATGGCTTCCAAGTCCACCCATTTTATGTGTGCAGC
AGACTTCTTGCCTCATAAGATAGACTGCTTTATTTCTAGACCCACTGAAAAGACCATCTTCTTCTGA
TAATGTATGGTGTACAGGCCTGCTTATTGCTTAACATTTGGGAGATGCTTCACTTAGGGTTGGGAC
AATTCGAGACTCACTAAACAGTAAAAGGAGGGAACCTTGATGATCCGGGTGCTTATAATTATCCTTCACT
TGAACACACCCCTGCTCCCCCTGGCTATAACATTGCTGTCAAACCAGATCAGATCCAGTACACTGAGC
TGTCGAATGCTAAGATTGCTACAAGCAAACAAAGCCAATATTGCCAGGAACAGCAGTACGGCAGCCA
CGAGGAACACCTCCCGGCTGATCTGGAGACTCTGCAGCGGGAGATCAGAATGGCTCAGGAACGCTTGGAC
CTAGCAATCCAGGCCTACCATCACAAAACAACCCCATGGTCCTCGGAAAAGAAGGCCAAAGTGGGGT
CCAATCTGGGTCCAACAAAAGCAGTATTAGTAGCAAAATCAGGGGATGGGAAGACCTCCGCTGGATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR220955 representing NM_008122
Red=Cloning site Green=Tags(s)

MSWSFLTRLLEEIHNHSTFVGKIWLTVLIVFRIVLTAVGGESIYYDEQSKFVCNTEQPGCENVCYDAFAP
 LSHVRFVWFQIILVATPSVMYLYGAIHKIAKMEHGEADKKAARSKPYAMRWKQHRAL EETEEDHEEDPMM
 YPEMELESEKENKEQSQPKPKHDGRRRIREDGLMKIYVLQLLARTVFEVGF LIGQYFLYGFQVHPFYVCS
 RLP CPHKIDCFISRPTKTI FLLIMYGV TGLCLLLNIWEMLHLGFGTIRDSLNSKRRELD DDPGAYNYPFT
 WNTPSAPPGYNIAVKPDQIQYTELSNAKIA YKQNKANIAQEQQYGSHEEHL PADLET LQREIRMAQERLD
 LAIQAYHHQNNPHGPREKKAKVGSKSGSNKSSISSKSGDGKTSVWI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9029_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008122

ORF Size: 1188 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.

RefSeq: [NM_008122.3](#), [NP_032148.1](#)

RefSeq Size: 2533 bp

RefSeq ORF: 1191 bp

Locus ID: 14615

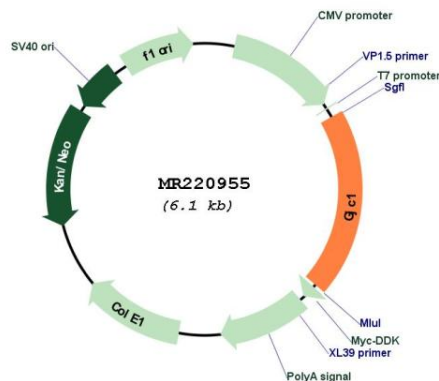
UniProt ID: [P28229](#)

Cytogenetics: 11 E1

MW: 46.1 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 MR220955