

Product datasheet for RC205109

GJB1 (NM_000166) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GJB1 (NM_000166) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GJB1
Synonyms:	CMTX; CMTX1; CX32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205109 representing NM_000166 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTGGACAGGTTTGTACACCTTGCTCAGTGGCGTGAACCGGCATTCTACTGCCATTGGCCGAGTAT
GGCTCTCGGTCATCTTCATCTTCAGAATCATGGTGGTGGTGGCTGCAGAGAGTGTGTGGGGTATGA
GAAATCTTCCTTCATCTGCAACACACTCCAGCCTGGCTGCAACAGCGTTTGCTATGACCAATTCTCCCC
ATCTCCCATGTGCGGCTGTGGTCCCTGCAGCTCATCCTAGTTTCCACCCAGCTCTCCTCGTGGCCATGC
ACGTGGCTCACCAGCAACACATAGAGAAGAAAATGCTACGGCTTGAGGGCCATGGGGACCCCTACACCT
GGAGGAGGTGAAGAGGCACAAGTCCACATCTCAGGGACACTGTGGTGGACCTATGTCATCAGCGTGGTG
TTCCGGCTGTTGTTTGGAGCCGTCTTCATGTATGTCTTTATCTGCTCTACCCTGGCTATGCCATGGTGC
GGCTGGTCAAGTGCACGTCTACCCCTGCCCAACACAGTGGACTGCTTCGTGTCCCGCCACCCAGGAA
AACCGTCTTACCGTCTTCATGCTAGCTGCCTCTGGCATCTGCATCATCCTCAATGTGGCCGAGGTGGTG
TACCTCATCATCCGGCCTGTGCCCGCCGAGCCAGCGCCGCTCCAATCCACCTTCCCGAAGGGCTCGG
GCTTCGGCCACCGCCTCTCACCTGAATAACAAGCAGAATGAGATCAACAAGCTGCTGAGTGAGCAGGATGG
CTCCCTGAAAGACATACTGCGCCGACGCCCTGGCACCGGGGCTGGGCTGGCTGAAAAGAGCGACCCGCTGC
TCGGCCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_000166.6](#)

RefSeq Size: 1638 bp

RefSeq ORF: 852 bp

Locus ID: 2705

UniProt ID: [P08034](#)

Cytogenetics: Xq13.1

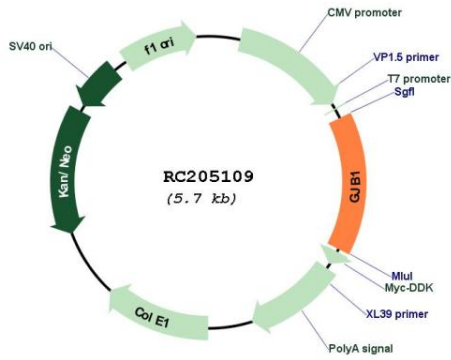
Domains: CNX

Protein Families: Druggable Genome, Ion Channels: Other, Transmembrane

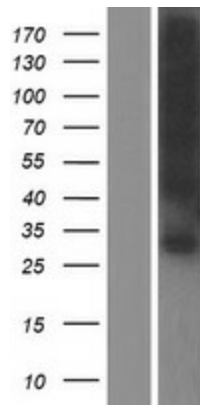
MW: 31.8 kDa

Gene Summary: This gene encodes a member of the gap junction protein family. The gap junction proteins are membrane-spanning proteins that assemble to form gap junction channels that facilitate the transfer of ions and small molecules between cells. According to sequence similarities at the nucleotide and amino acid levels, the gap junction proteins are divided into two categories, alpha and beta. Mutations in this gene cause X-linked Charcot-Marie-Tooth disease, an inherited peripheral neuropathy. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RC205109



Western blot validation of overexpression lysate (Cat# [LY424887]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205109 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).