

Product datasheet for **SC306352**

GJC1 (GJD3) (NM_152219) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GJC1 (GJD3) (NM_152219) Human Untagged Clone
Tag: Tag Free
Symbol: GJC1
Synonyms: Cx30.2; CX31.9; GJA11; GJC1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_152219 edited
 ATGGGGGAGTGGGCGTTCTGGGCTCGCTGGACGCCGTGCAGCTGCAGTCGCCGCTC
 GTGGGCCGCTCTGGCTGGTGGTCATGCTGATCTTCCGCATCCTGGTGTGGCCACGGTG
 GCGGGCGCGTTCGAGGACGAGCAAGAGGAGTTCGTGTGCAACACGCTGCAGCCGGGC
 TGTGCCAGACCTGCTACGACCGCGCTTCCCGGTCTCCCACTACCGCTTCTGGCTCTT
 CACATCTGCTGCTCTCGGCGCCCCGGTGTGTTGTCGCTACTCCATGCACCGGGCA
 GGCAAGGAGGGCGGGCGCGCTGAGGCGGGCGCAGTGCGCCCGGACTGCCGAGGCC
 CAGTGCAGCGCTGCGCCCTGCGCGCCCCGCGCGCGCCGCTGCTACCTGCTGAGCGTG
 GCGCTGCGCTGCTGGCCGAGCTGACCTTCTGGGCGGCCAGGCGCTGCTACGGCTTC
 CGCGTGGCCCCGCACTTCGCGTGCGCCGTCCGCCCTGCCCGCACACGGTCGACTGCTT
 GTGAGCCGGCCACCAGAAAGACCGTCTTCGTGCTTTCTATTTGCGGGTGGGGTGTGCT
 TCGGCGCTGCTCAGCGTAGCCGAGCTGGGCCACCTGCTCTGGAAGGGCCCGCCGCGCC
 GGGGAGCGTGACAACCGCTGCAACCGTGACACGAAGAGGCGCAGAAGCTGCTCCCGCC
 CCGCCCGCCACCTATTGTTGCACTTGGGAAGAAAACAGACACCTTCAAGGAGAGGGC
 TCCCCTGGTAGCCCCACCCCAAGACAGAGCTGGATGCCCTCGCTTCCGTAGGGAAAGC
 ACTTCTCTGCAGGATGGCATTGCTCTCTCCCCTTCCATGGCACGTAG



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_152219 unedited CGAAGATGCACTTCAGGGCCGGAGAGGCACTGGGGAGGGGTACAGGGTATGCCACCCGG GATCTGTTCAGGAAACAGCTATGACCGCGGCTACGTGCCATGGAAGGGGAGAGCAATG CCATCCTGCAGGAGAAGTGCTTTCCCTACGGAAGCGAGGGGCATCCAGCTCTGTCTTGGG GTGGGGCTACCAGGGGAGCCCTCTCCTTGAAGGTGTCTGTTTTCTTCCCAAGTGACAAC AATAGGTGGCGGCGCGCGGGGAGCAGCTTCTGCGCCTCTTCGTGTGCACGGTTGCA GCGGTTGTACGCTCCCCGGCGCGGGGCGCCCTTCCAGAGCAGTGGCCAGCTCGGC TACGCTGAGCAGCGCCGACAGCAGCCCCACCGCGAAATAGAAGAGCACGAAGACGGTCTT CTCGGTGGGCCGGCTCACGAAGCAGTCGACCGTGTGCGGGCAGGGCGGACCGGGCGCACGC GAAGTGCGGGGCCACGCGGAAGCCGTAGAGCAGCGCCTGGCCGCCAGGAAGGTACAGCTC GGCCAGCAGGGCGCAGCGCCACGCTCAGCAGGTAGCAGCGCGCGCGGGCGGGCGCGAG GGCGCACGGCGCAGTGGGCCTCGGGCAGTCCGGGGCGCAGTGCGCCCGCCCTCAGC GCCGCCCGCTCCTTGCCTGCCCGGTGCATGGAGTAGACGACGAACAGCACCGGGGGCGC CGAGAGCAGCAGATGTGGAAGAGCCAGAAGCGGTAGTGGGAGACCGGGAAGCGCGGTCTG AGCAGTCTGGCGACAGCCGGCTGCAGCGTGTTCACACGAACCTCTTCTGCTCGTCTC GACACGCCCGCCACCGTGCAGCAGCAGATGCGGAGATCAGCATGACCACCAGCAGAG GCGGCCACGAGCGCGACTGCAGCTGCACGGCGTCCAGCAGCGAGCCAGGAA
Restriction Sites:	Please inquire
ACCN:	NM_152219
Insert Size:	2600 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<ol style="list-style-type: none"> 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_152219.2 , NP_689343.2
RefSeq Size:	2094 bp
RefSeq ORF:	888 bp
Locus ID:	125111
UniProt ID:	Q8N144
Cytogenetics:	17q21.2

Gene Summary:

This gene is a member of the large family of connexins that are required for the formation of gap junctions. Six connexin monomers form a hemichannel, or connexon, on the cell surface. This connexon can interact with a connexon from a neighboring cell, thus forming a channel linking the cytoplasm of the 2 cells. [provided by RefSeq, Jul 2008]