

Product datasheet for **SC315749**

GJC1 (NM_001080383) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GJC1 (NM_001080383) Human Untagged Clone
Tag: Tag Free
Symbol: GJC1
Synonyms: CX45; GJA7
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001080383, the custom clone sequence may differ by one or more nucleotides

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ATGAGTTGGAGCTTCTGACTCGCTGCTAGAGGAGATTCACAACCATTCCACATTTGTG
GGGAAGATCTGGCTCACTGTTCTGATTGTCTCCGGATCGTCCTTACAGCTGTAGGAGGA
GAATCCATCTATTACGATGAGCAAAGCAAATTTGTGTGCAACACAGAACAGCCGGCTGT
GAGAATGTCTGTTATGATGCGTTTGCACCTCTCTCCCATGTACGTTCTGGGTGTTCCAG
ATCATCTGGTGGCAACTCCCTCTGTGATGTACCTGGGCTATGCTATCCACAAGATTGCC
AAAATGGAGCACGGTGAAGCAGACAAGAAGGCAGCTCGGAGCAAGCCCTATGCAATGCC
TGGAAACAACACCGGGCTCTGGAAGAAACGGAGGAGACAACGAAGAGGATCCTATGATG
TATCCAGAGATGGAGTTAGAAAGTGATAAGGAAAATAAAGAGCAGAGCCAACCCAAACCT
AAGCATGATGGCCGACGACGGATTCTGGGAAGATGGGCTCATGAAAATCTATGTGCTGCA
TTGCTGGCAAGGACCGTGTTTGAGGTGGGTTTTCTGATAGGGCAGTATTTTCTGTATGGC
TTCCAAGTCCACCCGTTTTATGTGTGCAGCAGACTTCCTTGTCCCTATAAGATAGACTGC
TTTATTTCTAGACCCACTGAAAAGACCATCTTCTTCTGATAATGTATGGTGTTACAGGC
CTTTGCCTCTTGCTTAACATTTGGGAGATGCTTCATTTAGGGTTTGGGACCATTCCGAGAC
TCACTAAACAGTAAAAGGAGGGAACCTTGAGGATCCGGTGCTTATAATTATCCTTTCACT
TGAATACACCATCTGCTCCCCCTGGCTATAACATTGCTGTCAAACCAGATCAAATCCAG
TACACCGAAGTCCAATGCTAAGATCGCCTACAAGCAAAACAAGCCAACACAGCCAG
GAACAGCAGTATGGCAGCCATGAGGAGAACCTCCAGCTGACCTGGAGGCTCTGCAGCGG
GAGATCAGGATGGCTCAGGAACGCTTGGATCTGGCAGTTCAGGCCTACAGTCAACAAAAC
AACCTCATGGTCCCGGGGAGAAGAAGGCCAAAGTGGGGTCCAAAGCTGGGTCCAACAAA
AGCACTGCCAGTAGCAAATCAGGGGATGGGAAGACCTCCGCTCGGATT
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Restriction Sites: Please inquire

ACCN: NM_001080383

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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001080383.1 , NP_001073852.1
RefSeq Size:	7640 bp
RefSeq ORF:	1191 bp
Locus ID:	10052
UniProt ID:	P36383
Cytogenetics:	17q21.31
Protein Families:	Ion Channels: Other, Transmembrane
Gene Summary:	<p>This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Alternatively spliced transcript variants encoding the same isoform have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>