

Product datasheet for **SC313476**

GJC2 (NM_020435) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GJC2 (NM_020435) Human Untagged Clone
Tag:	Tag Free
Symbol:	GJC2
Synonyms:	CX46.6; Cx47; GJA12; HLD2; LMPH1C; LMPHM3; PMLDAR; SPG44
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_020435 edited
 GCCCCCGTGCCTTGCTCCAGGGCAGGTGGACTGAGCTTCGGAGGCTGGGGCTGGCCTCT
 GACCTGCTTGGGCTTGGAGAGCCCTGCCCGCTGCCCTGCCCCAGGACAATCAGGGATT
 CAGACCCTGAGGCCGAGGGGGGAACAATGGGGCCCTTGGGGCCCTCTCCAGCCCCA
 TTGTGCTTGGTGGTGAGAGGTGGCCCTGGCTCGGCCACACACCTCGGGGAGGACCAGCA
 TCCAAGCAGGTGGAAGGGCTCTGAGGGAGACTGGAATTTCTGGCCTGGAGAAGGACCCG
 CCCGCCGCCCTATGACCAACATGAGCTGGAGCTTCTGACGCGGCTGCTGGAGGAGAT
 CCAACAACCACTCCACCTTCGTGGCAAGGTGTGGCTCACGGTGTGGTGTCTTCCGCAT
 CGTGCTGACGGCTGTGGGCGGCGAGGCCATCTACTCGGACGAGCAGGCCAAGTTCACCTG
 CAACACGCGGCAGCCAGGCTGCGACAACGTCTGTATGACGCCTTCGCGCCCTGTGCA
 CGTGCGCTTCTGGGTCTTCCAGATTGTGGTCATCTCCACGCCCTCGGTACGTACCTGGG
 CTACGCCGTGCACCGCTGGCCGTGCGTCTGAGCAGGAGCGGCGCCGCGCCCTCCGCCG
 CCGCCCGGGGCCACGCGCGCGCCCGAGCGCACCTGCCGCCCGCACGCGGCTGGCC
 TGAGCCCGCCGACCTGGCGGAGGAGGCCATGCTGGGCTGGCGGAGGAGGAGGAGGA
 GGAGGAGACGGGGCAGCCGAGGGCGCCGCGAGGAAGCGGAGGAGGCAGGCGCGGAGGA
 GCGGTGCACTAAGCGGTCGGCGCTGACGGCAAGCGGCAAGGACCCCGGCCCGACCGG
 GCAACACGATGGGCGGAGGCGCATCCAGCGGGAGGGCCTGATGCGCGTGTACGTGGCCCA
 GCTGGTGGCCAGGGCAGCTTTCGAGGTGGCCTTCTGGTGGGCCAGTACCTGCTGTACGG
 CTTGAGGTGCGACCGTTCTTCCCTGCAGCCGACCCCTGCCCGCACGTGGTGGACTG
 CTTGCTGTCGCGCCCTACTGAAAAGACGGTCTTCTGCTGGTTATGTACGTGGTCAGCTG
 CCTGTGCTGTGCTCAACCTCTGTGAGATGGCCACCTGGGCTTGGGCAGCGCGCAGGA
 GCGGTGCAGCGCCGCGCGCCCGCCCGCCCTCCGCCCGCCCGCGCGCGGCCCCC
 GCCCTGCGCCTTCCCTGCGGCGGCGCTGGCTTGGCCTGCCGCCCGACTACAGCTGGT
 GGTGCGGGCGGCGAGCGGCTCGGGCGCATGACCAAGAACCTGGCAACCTGGCCCTGCA
 GGCCTGCGCGACGGGGCAGCGGCTGGGACCGGACCGGACAGTTCGCGCTGCGTCGG
 CCTCCCTGCGGCCTCCCGGGGGCCCCCAGAGCAGGCGCCCGCGTCCCGGACGGGCGAG
 TGCTACCTCTGCGGGCACTGTGCGGGAGCAGGGCCGGCCCGCACCCACGAGCGGCCAGG
 AGCCAAGCCAGGGCTGGCTCCGAGAAGGGCAGTGCCAGCAGCAGGGACGGGAAGACCAC
 CGTGTGGATCTGAGGGCGCTGGCTTGCAGCTGGGCCAGGGAGGAGGAGGTTGGGGGGC
 TCCGGTGGAAACCTGCGACCCCTTCTCCTCAGCCTTCTCCTTAGCCGGTGGCCTCAGGCA
 GACTCTGCCCAGAGGGGCAGCCAGGCTGCTCAGGGAAGGGGCTGAAAGCGGCAGAGGAGT
 GCCTGGCTTGGTCACCACTGGGGCCAAGGTGGGGTGGAGAGAGGCTAGGAGCCAGAAA
 GGGCCCTCTGCTGTGGTCTGAACCCAGGGGAGTGGGGCATTGACTCCACCCCTGTCCT
 GAGCTGGAATAGGTCTCTGGGATGCCAGCTCTCCCTTTGTGCTTCCCTGCAGCAACCC
 ATGGAGGGCCAGGGTGCCTGGTATGGGCATCAGTTGGTGGGGGTGCGGGGGTGCCTGTC
 CCCATTCCTGCAACAGCAAATGGGGCTCCTTCTCAGCCCTCCCTTCCAGCCCCAAA
 CTGAGACAGACTGGGAGCTGGGAGCCTGGGGTGGACAGGACCATACCCTTTTGAGCTTC
 TGCGATGCCGGCCTTCCGTTCTCTGGGAGCTTGAAGTCTGCAGAGATGTTGATATGC
 CTTGCAGCTTGGACCAATGGGTGGTGGTCAGGGCCTGGGGCTTGGCCATGCTGGGGGA
 ATGGGGCTCTGGGTTCTGCTGTGGCCTGTCTGTCTCCTCCCTAATTACAGCCAGCC
 TCAAGAGGAAAGGAGTAAAATAAACTAACTGTTTATAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_020435
Insert Size: 2400 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 ORF of this clone is found to be a perfect match to NM_020435.2.
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_020435.2 , NP_065168.2
RefSeq Size:	2259 bp
RefSeq ORF:	1320 bp
Locus ID:	57165
UniProt ID:	Q5T442
Cytogenetics:	1q42.13
Protein Families:	Ion Channels: Other
Gene Summary:	This gene encodes a gap junction protein. Gap junction proteins are members of a large family of homologous connexins and comprise 4 transmembrane, 2 extracellular, and 3 cytoplasmic domains. This gene plays a key role in central myelination and is involved in peripheral myelination in humans. Defects in this gene are the cause of autosomal recessive Pelizaeus-Merzbacher-like disease-1. [provided by RefSeq, Jul 2008]