

Product datasheet for **SC107351**

GJA5 (NM_181703) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GJA5 (NM_181703) Human Untagged Clone
Tag:	Tag Free
Symbol:	GJA5
Synonyms:	ATFB11; CX40
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_181703, the custom clone sequence may differ by one or more nucleotides

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ATGGCGATTGGAGCTTCTGGGAAATTCCTGGAGGAAGTACACAAGCACTCGACCGTGGTAGGCAAGG
TCTGGCTCACTGTCTTTCATATCCGTATGCTCGTGCTGGGCACAGCTGCTGAGTCTTCTGGGGGA
TGAGCAGGCTGATTTCCGGTGTGATACGATTCAGCCTGGCTGCCAGAATGTCTGTACGACCAGGCTTTC
CCCATCTCCACATTCGCTACTGGGTGCTGCAGATCATCTTCGTCTCCACGCCCTCTCTGGTGTACATGG
GCCACGCCATGCACACTGTGCGCATGCAGGAGAAGCGCAAGCTACGGGAGGCCGAGAGGGCCAAAGAGGT
CCGGGGCTCTGGCTTTACGAGTACCCGGTGGCAGAGAAGGCAGAAGTGTCTGTGGGAGGAAGGGAAT
GGAAGGATTGCCCTCCAGGGCACTCTGCTCAACACCTATGTGTGCAGCATCCTGATCCGCACCACCATGG
AGGTGGGCTTCATTGTGGGCCAGTACTTTCATCTACGGAATCTTCCTGACCACCCTGCATGTCTGCCGCG
GAGTCCCTGTCCCCACCCGGTCAACTGTTACGTATCCCGCCACAGAGAAGAATGTCTTATTGTCTTT
ATGCTGGCTGTGGCTGCACTGTCCCTCCTCTTAGCCTGGCTGAACTCTACCACCTGGGCTGGAAGAAGA
TCAGACAGCGATTTGTCAAACCGCGGCAGCACATGGCTAAGTGCCAGCTTCTGGCCCTCTGTGGGCAT
AGTCCAGAGCTGCACACCACCCCGACTTTAATCAGTGCCTGGAGAATGGCCCTGGGGGAAAATTTCTTC
AATCCCTTCAGCAATAATATGGCCTCCCAACAAAACACAGACAACCTGGTCAACGAGCAAGTACGAGGTC
AGGAGCAGACTCCTGGGGAAGGTTTCATCCAGGTTTCGTTATGGCCAGAAGCCTGAGGTGCCAATGGAGT
CTCACCAGGTCACCGCCTCCCATGGCTATCATAGTGACAAGCGACGTCTTAGTAAGGCCAGCAGCAAG
GCAAGGTCAGATGACCTATCAGTGTGA
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Restriction Sites:	Please inquire
ACCN:	NM_181703
Insert Size:	2550 bp



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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:	A TrueClone.
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_181703.1 , NP_859054.1
RefSeq Size:	2566 bp
RefSeq ORF:	1077 bp
Locus ID:	2702
UniProt ID:	P36382
Cytogenetics:	1q21.2
Protein Families:	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. Mutations in this gene may be associated with atrial fibrillation. Alternatively spliced transcript variants encoding the same isoform have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (B) differs in the 5' UTR compared to variant A. Variants A and B encode the same protein.</p>