

## Product datasheet for **SC322021**

### **GJA4 (NM\_002060) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GJA4 (NM_002060) Human Untagged Clone
Tag:	Tag Free
Symbol:	GJA4
Synonyms:	CX37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for SC322021  
 CCCGCGGGCGTCACTCCGGCCATCGTCCCCACCTCCACCTGGGCCGCCCGGCAGGCAGGC  
 GACGGAGGCCCGGGAGCCATGGGTGACTGGGGCTTCTGGAGAAGTTGCTGGACCAGGTC  
 CAGGAGCACTCGACCGTGGTGGGTAAGATCTGGCTGACGGTGCTTTCATCTTCCGCATC  
 CTCATCTGGGCTGGCCGGCGAGTCAGTGTGGGTGACGAGCAATCAGATTTGAGTGT  
 AACACGGCCAGCCAGGCTGCACCAACGCTGCTATGACCAGGCCTTCCCCATCTCCCAC  
 ATCCGCTACTGGGTGCTGCAGTTCTCTCGTCAGCACACCCACCCTGGTCTACCTGGGC  
 CATGTCAATTTACCTGTCTCGGCGAGAAGAGCGGCTGCGGCAGAAGGAGGGGGAGCTGCGG  
 GCACTGCCGGCCAAGGACCCACAGGTGGAGCGGGCGCTGGCGGCCGTAGAGCGTCAGATG  
 GCCAAGATCTCGGTGGCAGAAGATGGTCGCCTGCGCATCCGCGGAGCACTGATGGGCACC  
 TATGTGCGCAGTGTGCTCTGCAAGAGTGTGCTAGAGGCAGGCTTCTCTATGGCCAGTGG  
 CGCCTGTACGGCTGGACCATGGAGCCCGTGTGGTGTGCCAGCGAGCACCCCTGCCCTAC  
 CTCGTGGACTGCTTTGTCTCTCGCCCCACGAGAAGACCATCTTCATCATCTTCATGTTG  
 GTGGTTGGACTCATCTCCCTGGTGTAACTGCTGGAGTTGGTGCACCTGCTGTGTCGC  
 TGCTCAGCCGGGGATGAGGGCACGGCAAGGCCAAGACGCACCCCGACCCAGGGCACC  
 TCCTCAGACCCTTACACGGACCAGGTCTTCTTCTACCTCCCCGTGGGCCAGGGGCCCTCA  
 TCCCCACCATGCCCCACCTACAATGGGCTCTCATCCAGTGAGCAGAAGTGGGCCAACCTG  
 ACCACAGAGGAGAGGCTGGCGTCTTCCAGGCCCTCTCTTCTGGACCCACCCCTCAG  
 AATGGCCAAAAACCCCAAGTCGTCCCAGCAGCTCTGCTTCTAAGAAGCAGTATGTATAG  
 GGGCCTGTGGCTTATGTCACCCAACAGAGGGTCTGAGAAGTCTGGCTGCCTGGGATGC  
 CCCCTGCCCTCCTGGAAGGCTCTGCAGAGATGACTGGGCTGGGAAGCAGGTGCTTGC  
 TGGCCATGGAGCCTCATTGCAAGTTGTTCTTGAACACCTGAGGCCTTCTGGTGGCCACC  
 AGGCATACGGCTTCTCTCCAGAATGTGGCTTGCCTGAGCACAGACAGAGTCAAGATG  
 GAATGCTCTTGGCCAAGGTACTGGGGCCCTTGGCCTTTTGCAGCTGATCCAGAGGAA  
 CCCAGAGCCAACCTACCCCAACCTCACCTATGGAACAGTCACCTGTGCCAGGTTGTCC  
 TCAAACCTCTCCTCACAGGAAAAGGCGGATTGAGGCTGCTGGGTGAGCCTTGATCGCAC  
 AGACAGAGCTTGTCCGGATTTGGCCCTGTCAAGGGGACTGGTGCCTTGTTCATCACT  
 CCTTCTAGTTCTACTGTTCAAGCTTCTGAAATAAACAGGACTTGATCACAAAAAAAAAA  
 AA  
 AAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_002060

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_002060.2</a></u> , <u><a href="#">NP_002051.2</a></u>
<b>RefSeq Size:</b>	1710 bp
<b>RefSeq ORF:</b>	1002 bp
<b>Locus ID:</b>	2701
<b>UniProt ID:</b>	<u><a href="#">P35212</a></u>
<b>Cytogenetics:</b>	1p34.3
<b>Domains:</b>	CNX
<b>Protein Families:</b>	Ion Channels: Other, Transmembrane
<b>Gene Summary:</b>	This gene encodes 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 have been associated with atherosclerosis and a higher risk of myocardial infarction. [provided by RefSeq, Jul 2008]