

Product datasheet for **SC126408**

GJA4 (BC027889) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GJA4 (BC027889) Human Untagged Clone
Tag:	Tag Free
Symbol:	GJA4
Synonyms:	connexin 37; CX37; gap junction protein, alpha 4, 37kDa; OTTHUMP00000004181; OTTHUMP000000046201
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC027889 edited
 GCGGGCGTCACTCCGCCATCGTCCCCACCTCCACCTGGGCCGCCCGGCAGGCAGGCGAC
 GGAGGCCCGGGAGCCATGGGTGACTGGGGCTTCTGGAGAAGTTGCTGGACCAGGTCCAG
 GAGCACTCGACCGTGGTGGGTAAGATCTGGCTGACGGTGTCTTTCATCTTCCGCATCCTC
 ATCCTGGCCCTGGCCGGCAGTCAAGTGTGGGTGACGAGCAGTCAAGATTCGAGTGTAAAC
 ACGGCCACGCCAGGCTGCACCAACGTCTGCTATGACCAGGCCTCCCCATCTCCACATC
 CGCTACTGGGTGCTGCAGTTTCTTTCGTGACGACACCCACCTGGTCTACCTGGGCCAT
 GTCATTTACCTGTCTCGGCGAGAAGAGCGGCTGCGGCAGAAAGAGGGGGAGCTGCGGGCA
 CTGCCGGCCAAGGACCCACAGGTGGAGCGGGCGCTGGCGGCCGTAGAGCGTCAGATGGCC
 AAGATCTCGGTGGCAGAAGATGGTGCCTGCGCATCCGCGGAGCACTGATGGGCACCTAT
 GTCGCCAGTGTGCTCTGCAAGAGTGTGCTAGAGGCAGGCTTCTCTATGGCCAGTGGCGC
 CTGTACGGCTGGACCATGGAGCCCGTGTGGTGTGCCAGCGAGCACCCCTGCCCTACCTC
 GTGGACTGCTTTGTCTCTGCCCCACGGAGAAGACCATCTTCATCATCTTCATGTTGGTG
 GTTGGACTCATCTCCCTGGTGTAAACCTGCTGGAGTTGGTGCACCTGCTGTGTCGCTGC
 CTCAGCCGGGGATGAGGGCACGGCAAGGCCAAGACGCACCCCCGACCCAGGGCACCTCC
 TCAGACCTTACACGGACCAAGGTCTTCTTCTACCTCCCCGTGGCCAGGGGCCCTCATCC
 CCACCATGCCCCACCTACAATGGGCTCTCATCCAGTGAGCAGAAGTGGGCCAACCTGACC
 ACAGAGGAGAGGCTGGCGTCTTCCAGGCCCTCTCTTCTGGACCCACCCCTCAGAAT
 GGCCAAAACCCCAAGTCGTCACGAGCTCTGCTTCTAAGAAGCAGTATGTATAGAGG
 CCTGTGGCTTATGTCACCCAACAGAGGGGTCTGAGAAGTCTGGCTGCCTGGGATGCCCC
 CTGCCCCCTCTGGAAGGCTCTGCAGAGATGACTGGGCTGGGGAAGCAGATGCTTGTGG
 CCATGGAGCCTCATTGCAAGTTGTTCTTGAACACTGAGGCCTTCTGGTGGCCACCAGG
 CACTACGGCTTCTCTCAGAATGTGGCTTTCCTGAGCAGACAGCAGTCAAGTCAAGTCA
 CTCTTGGCCAAGGTAAGTGGGGCCCTCTGGCCTTTTGCAGCTGATCCAGAGGAACCCAG
 AGCCAACCTACCCCAACCTCACCTATGGAACAGTCACTGTGCCAGGTTGTCTCAAA
 CCCTCTCCTCACAGGAAAAGGGGATTGAGGCTGCTGGGTGAGCCTTGATGGCACAGACA
 GAGCTTGTGCCGATTTGGCCCTGTCAAGGGGACTGGTGCCTTGTTCATCACTCCTTC
 CTAGTTCTACTGTTCAAGCTTCTGAAATAAACAGGACTTGATCACAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC027889 unedited
 GTTCTGATTTGTATACCATTATATAGGCGGCCGCGNAATCAATCTGGTACCGGTCCGGA
 ATTCGCGGATGCGGGGCTCACTCCGGCCATCGTCCCCACCTCCACCTGGGCCGCCCGGC
 AGGCAGGCGAGGAGCCCGGGAGCCATGGGTGACTGGGGCTTCTGGAGAAGTTGCTGG
 ACCAGGTCCAGGAGCACTCGACCGTGGTGGGTAAGATCTGGCTGACGGTGTCTTTCATCT
 TCCGCATCCTCATCCTGGCCTGGCCGGCAGTCAAGTGTGGGTGACGAGCAGTCAAGATT
 TCGAGTGTAAACGCGCCAGCCAGGCTGCACCAACGTCTGCTATGACCAGGCCTTCCCCA
 TCTCCACATCCGCTACTGGGTGCTGCAGTTCTCTTTCGTGAGCAGCAGCCACCTGGTCT
 ACCTGGGCCATGTCAATTAACCTGTCTCGGCGAGAAGAGCGGCTGCGGCAGAAGGAGGGG
 AGCTGCGGGCACTGCCGGCAAGGACCCACAGGTGGAGCGGGCGCTGGCGGCCGTAGAGC
 GTCAGATGGCCAAGATCTCGGTGGCAGAAGATGGTGCCTGCGCATCCGCGGAGCACTGA
 TGGGCACCTATGTGCCAGTGTGCTCTGCAAGAGTGTGCTAGAGGCAGGCTTCTCTATG
 GCCAGTGGCGCCTGTACNGCTGGACCATGGAGCCCGTGTGGTGTGCCAGCGAGCACCT
 GCCCTACCTCGTGGACTGGCTTGTCTCTCGCCCCACGGAGAAGACCATCTCATCATCTT
 CATGTTGGTGGGTGNACTCATCTNCTGGTGCCTAACCTGCTGGAGTTGGNTGCACCTG
 CTGTGTGCTGCCCTCACCGGGGATGAAGGGCACGGCAAGCCAGAACGCACCCCGCAC
 CAAGGCACCTC

Restriction Sites: NotI-NotI
ACCN: BC027889
Insert Size: 1600 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:	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:	BC027889.1 , AAH27889.1
RefSeq Size:	1647 bp
RefSeq ORF:	999 bp
Locus ID:	2701
Cytogenetics:	1p34.3
Protein Families:	Ion Channels: Other, Transmembrane
Gene Summary:	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]