

Product datasheet for SC118876

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-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC118876 representing NM_002060. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGTGACTGGGGCTTCTGGAGAAGTTGCTGGACCAGGTCCAGGAGCACTCGACCGTGGTGGGTAAG
ATCTGGCTGACGGTGCTCTTCATCTTCCGCATCCTCATCTGGGCCTGGCCGGGAGTCAGTGTGGGGT
GACGAGCAATCAGATTTGAGTGTAAACACGGCCAGCCAGGCTGCACCAACGTCTGCTATGACCAGGCC
TTCCCATCTCCACATCCGCTACTGGGTGCTGCAGTTCCTCTTCGTGAGCACACCCACCCTGGTCTAC
CTGGGCCATGTCATTTACCTGTCTCGGGCAGAAGAGCGGCTGCGGCAGAAGGAGGGGGAGCTGCGGGCA
CTGCCGGCAAGGACCCACAGGTGGAGCGGGCGCTGGCGCCGTAGAGCGTCAGATGGCCAAGATCTCG
GTGGCAGAAGATGGTCGCTGCGCATCCCGGAGCACTGATGGGCACCTATGTCGCCAGTGTGCTCTGC
AAGAGTGTGCTAGAGGCAGGCTTCTCTATGGCCAGTGGCGCCTGTACGGCTGGACCATGGAGCCCGTG
TTTGTGTGCCAGCGAGCACCCCTGCCCTACCTCGTGGACTGCTTTGTCTCTCGCCCCACGGAGAAGACC
ATCTTCATCATCTTCATGTTGGTGGTGGACTCATCTCCCTGGTCTTAACCTGTGAGTGGTGGTGCAC
CTGCTGTGTGCTGCCTCAGCCGGGGATGAGGGCACGGCAAGGCCAAGACGCACCCCGACCCAGGGC
ACCTCCTCAGACCCTTACACGGACCAGGTCTTCTTCTACCTCCCCGTGGCCAGGGGCCCTCATCCCCA
CCATGCCCCACCTACAATGGGCTCTCATCCAGTGAGCAGAAGTGGCCAACTGACCACAGAGGAGAGG
CTGGCGTCTTCCAGGCCCTCTCTTCTGGACCCACCCCTCAGAATGGCCAAAACCCCAAGTCGT
CCAGCAGCTCTGCTTCTAAGAAGCAGTATGTA TAG
ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_002060
Insert Size:	1002 bp



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 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](#)

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:

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_002060.2](#)

RefSeq Size: 1710 bp

RefSeq ORF: 1002 bp

Locus ID: 2701

UniProt ID: [P35212](#)

Cytogenetics: 1p34.3

Domains: CNX

Protein Families: Ion Channels: Other, Transmembrane

MW: 37.4 kDa

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]