

Product datasheet for **SC216210**

GJA1 (NM_000165) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GJA1 (NM_000165) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	GJA1
Synonyms:	AVSD3; CMDR; CX43; EKVP; EKVP3; GJAL; HLHS1; HSS; ODDD; PPKCA
ACCN:	NM_000165
Insert Size:	1761 bp



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Insert Sequence: >SC216210 3'UTR clone of NM_000165
The sequence shown below is from the reference sequence of NM_000165. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGACCTCGGCCTGATGACCTGGAGATCTAGATACAGGCTTAAAGCATCAAGATTCCACTCAATTGTGG
AGAAGAAAAAAGGTGCTGTAGAAAAGTGACCAGGTGTTAATTTTATCCGGTGGAGGTGGTACTCAACA
GCCTTATTCATGAGGCTTAGAAAACACAAAGACATTAGAATACCTAGGTTCACTGGGGGTGTATGGGGT
AGATGGGTGGAGAGGGAGGGGATAAGAGAGGTGCATGTTGGTATTTAAAGTAGTGGATTCAAAGAAGCTT
AGATTATAAATAAGAGTCCATTAGGTGATACATAGATAAGGGCTTTTTCTCCCCGCAAACCCCTAA
GAATGGTCTGTGTATGTGAATGAGCGGGTGGTAATTGTGGCTAAATATTTTGTGTTTACCAAGAACT
GAAATAATTCTGGCCAGGAATAAATACTTCTGAACATCTTAGGCTTTTCAACAAGAAAAAGACAGAG
GATTGTCCTTAAGTCCCTGCTAAAACATCCATTGTTAAAATTTGCACCTTGAAGGTAAGCTTTCTAGG
CCTGACCTCCAGGTGTCAATGGACTTGTGCTACTATATTTTTTTTATTCTTGGTATCAGTTAAAATTC
AGACAAGGCCACAGAATAAGATTTTCCATGCATTTGCAATACGTATATTTCTTTTTCCATCCACTTGC
ACAATATCATTACCATCACTTTTTTCATCATTCTCAGCTACTACTCACATTCATTTAATGGTTTCTGTA
AACATTTTTAAGACAGTTGGGATGTCACCTAACATTTTTTTTTTTGAGCTAAAGTCAGGGAATCAAGCCA
TGCTTAATATTTAAACAATCACTTATATGTGTGTCGAAGAGTTGTTTTGTTTGCATGTATTGGTACAA
GCAGATACAGTATAAACTCACAACACAGATTTGAAAATAATGCACATATGGTGTCAAATTTGAACCT
TTCTCATGGATTTTTGTGGTGTGGGCCAATATGGTGTTTACATTATATAATTCTGCTGTGGCAAGTAA
AGCACATTTTTTTTTCTCCTAAAATGTTTTTCCCTGTGTATCCTATTATGGACTGGTTTTGTTAAT
ATGATTCTTTATTTTTCTCCTTTTTTTAGGATATAGCAGTAATGCTATTACTGAAATGAATTTCTCTT
TTTTGAAATGTAATCATTGATGCTTGAATGATAGAATTTTACTGTAAACAGGCTTTAGTCATTAA
TGTGAGAGACTTAGAAAAATGCTTAGAGTGGACTATTAATGTGCCTAAATGAATTTTGCAGTAACTG
GTATTCTGGGTTTTCTACTTAATACACAGTAATTCAGAACTTGATTCTATTATGAGTTTAGCAGTC
TTTTGGAGTGACCAGCAACTTTGATGTTTGCCTAAGATTTTATTTGGAATGCAAGAGAGGTTGAAAGA
GGATTCAGTAGTACATACAATAATTTATTTGAACTATATGTTGAAGACATCTACCAGTTTCTCCAA
ATGCCTTTTTTAAACTCATCACAGAAGATTGGTGAATAATGCTGAGTATGACACTTTTCTTCTTGCATG
CATGTCAGCTACATAAACAGTTTTGTACAATGAAAATTAATAATTTGTTTGCATTCCATGTTAAACTA
CGGTCATGTTTCCAGCTTATTGCATGTAATGTAGACCTAGTCCATCAGATCATGTGTTCTGGAGAGTGT
CTTTATTCAATAAAGTTTTAATTTAGTATAAACATA
ACGCGTAAAGCGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_000165.5](#)

Summary:

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. The encoded protein is the major protein of gap junctions in the heart that are thought to have a crucial role in the synchronized contraction of the heart and in embryonic development. A related intronless pseudogene has been mapped to chromosome 5. Mutations in this gene have been associated with oculodentodigital dysplasia, autosomal recessive craniometaphyseal dysplasia and heart malformations. [provided by RefSeq, May 2014]

Locus ID:

2697

MW:

68.5