

Product datasheet for **SC310398**

GJA8 (NM_005267) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GJA8 (NM_005267) Human Untagged Clone
Tag:	Tag Free
Symbol:	GJA8
Synonyms:	CAE; CAE1; CTRCT1; CX50; CZP1; MP70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005267, the custom clone sequence may differ by one or more nucleotides

```

ATGGGCGACTGGAGTTTCTGGGGAACATCTTGGAGGAGTGAATGAGCACTCCACCGTC
ATCGGCAGAGTCTGGCTACCGTGCTTTTCATCTTCCGGATCCTCATCCTTGGCACGGCC
GCAGAGTTCGTGTGGGGGATGAGCAATCCGACTTCGTGTGCAACACCCAGCAGCCTGGC
TGCGAGAAGCTCTGCTACGACGAGGCCCTTCCCATCTCCACATTGCGCTCTGGGTGCTG
CAGATCATCTTCGTCTCCACCCCGTCCCTGATGTACGTGGGGCACGCGGTGCACTACGTC
CGCATGGAGGAGAAGCGCAAAGCCGCGAGGCGGAGGAGCTGGGCCAGCAGGCGGGGACT
AACGGCGGCCCGACCAGGGCAGCGTCAAGAAGAGCAGCGGCAGCAAAGGCACTAAGAAG
TTCCGGCTGGAGGGGACCCTGCTGAGGACCTACATCTGCCACATCATCTTCAAGACCCTC
TTTGAAGTGGGCTTCATCGTGGGCCACTACTTCTGTACGGGTTCCGGATCCTGCCTCTG
TACCGCTGCAGCCGGTGGCCCTGCCCAATGTGGTGGACTGCTTCGTGTCCCGGCCACG
GAGAAAACCATCTTCATCCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG
GTGATGGAGTTGGGCCACCTGGGCTGAAGGGGATCCGGTCTGCCTTGAAGAGGCCTGTA
GAGCAGCCCTGGGGGAGATTCTGAGAAATCCCTCCACTCCATTGCTGTCTCCTCCATC
CAGAAAGCCAAGGGCTATCAGCTCCTAGAAGAAGAGAAAATCGTTTCCACTATTTCCCT
TTGACCGAGGTTGGGATGGTGGAGACCAGCCACTGCCTGCCAAGCCTTCAATCAGTTC
GAGGAGAAGATCAGCACAGGACCCTGGGGACTTGTCCCGGGCTACCAAGAGACTG
CCTTCTACGCTCAGGTGGGGCACAAGAAGTGGAGGGCGAGGGCCGCTGCAGAGGAG
GGAGCCGAACCCGAGGTGGGAGAGAAGAAGGAGGAAGCAGAGAGGCTGACCACGGAGGAG
CAGGAGAAGTGGCCGTGCCAGAGGGGGAGAAAGTAGAGACCCCGGAGTGGATAAGGAG
GGTGAAGAAGAGCCGAGTCGGAGAAGGTGTCAAAGCAAGGGCTGCCAGCTGAGAAG
ACACCTTCACTCTGTCCAGAGCTGACAACAGATGATGCCAGACCCTGAGCAGGCTAAGC
AAAGCCAGCAGCCGAGCCAGGTCAGACGATCTAACCGTATGA

```

Restriction Sites: Please inquire



[View online »](#)

ACCN:	NM_005267
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	NM_005267.3 , NP_005258.2
RefSeq Size:	1374 bp
RefSeq ORF:	1302 bp
Locus ID:	2703
UniProt ID:	P48165
Cytogenetics:	1q21.2
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
Gene Summary:	This gene encodes a transmembrane connexin protein that is necessary for lens growth and maturation of lens fiber cells. The encoded protein is a component of gap junction channels and functions in a calcium and pH-dependent manner. Mutations in this gene have been associated with zonular pulverulent cataracts, nuclear progressive cataracts, and cataract-microcornea syndrome. [provided by RefSeq, Dec 2009]