

Product datasheet for **SC122104**

GJD2 (NM_020660) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GJD2 (NM_020660) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GJD2 |
| Synonyms: | CX36; GJA9 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC122104 sequence for NM_020660 edited (data generated by NextGen Sequencing) |

```

ATGGGGGAATGGACCATCTTGGAGAGGCTGCTAGAAGCCGCGGTGCAGCAGCACTCCACT
ATGATCGGGAGGATCCTGTTGACTGTGGTGGTATCTTCCGGATCCTCATTGTGGCCATT
GTGGGGGAGACGGTGTACGATGATGAGCAGACCATGTTTGTGTGCAACACCCTGCAGCCC
GGCTGTAACCAGGCTGCTATGACCGCGCCTTCCCATCTCCACATACGTTACTGGGTC
TTCCAGATCATAATGGTGTGTACCCCCAGTCTTTGCTTCATCACCTACTCTGTGCACCAG
TCCGCCAAGCAGCGAGAACGCCGCTACTCTACAGTCTTCTAGCCCTGGACAGAGACCCC
CCTGAGTCCATAGGAGGTCTGGAGGAAGTGGGGTGGGGCAGTGGTGGGGCAAACGA
GAAGATAAGAAGTTGAAAATGCTATTGTGAATGGGTGCTGCAGAACACAGAGAACACC
AGTAAGGAGACAGAGCCAGATTGTTTAGAGGTTAAGGAGCTGACTCCACACCCATCAGGT
CTACGCACTGCATCAAAATCCAAGCTCAGAAGGCAGGAAGGCATCTCCCGCTTCTACATT
ATCCAAGTGGTGTCCGAAATGCCCTGGAAATTGGGTTCTGGTTGGCCAATATTTTCTC
TATGGCTTTAGTGTCCCAGGGTTGTATGAGTGTAAACCGCTACCCCTGCATCAAGGAGGTG
GAATGTTATGTGTCCCGGCAACTGAGAAGACTGTCTTCTAGTGTTCATGTTTGCTGTA
AGTGGCATCTGTGTTGTGCTCAACCTGGCTGAACCTCAACCACCTGGGATGGCGCAAGATC
AAGCTGGCTGTGCGAGGGGCTCAGGCCAAGAGAAAGTCAATCTATGAGATTCGTAACAAG
GACCTGCCAAGGGTCAGTGTTCCTCAATTTTGGCAGGACTCAGTCCAGTACTCTGCCTAT
GTGTGA

```

Clone variation with respect to NM_020660.1
69 a=>g;207 g=>c



[View online »](#)

| | |
|-------------------------------------|---|
| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_020660 unedited NNNGGTTCGNAATTTTGTAAATACGACTCACTATAGGGCGGCCGCGATTCCGCCCTTTGGGG GAATGGACCATCTTGGAGAGGCTGCTAGAAGCCGCGGTGCAGCAGCACTCCACTATGATC GGGAGGATCCTGTTGACTGTGGTGGTGTCTTCCGGATCCTCATTGTGGCCATTGTGGGG GAGACGGTGTACGATGATGAGCAGACCATGTTTGTGTGCAACACCCTGCAGCCCGGCTGT AACCAGGCCTGCTATGACCCGCGCTTCCCACATCTCCACATACGTTACTGGGTCTTCCAG ATCATAATGGTGTGTACCCCACTTTTGCTTCATCACCTACTCTGTGCACCAGTCCGCC AAGCAGCGAGAACGCGCTACTCTACAGTCTTCCCTAGCCCTGGACAGAGACCCCTGAG TCCATAGGAGGTCTGGAGGAACTGGGGGTGGGGGCAAGTGGTGGGGCAAACGAGAAGAT AAGAAGTTGCAAATGCTATTGTGAATGGGGTGTGCAGAACACAGAGAACCAGTAAG GAGACAGAGCCAGATTGTTTAGAGGTTAAGGAGCTGACTCCACACCCATCAGGTCTACGC ACTGCATCAAAATCCAAGCTCAGAAGGCAGGAAGGCATCTCCCGTTCTACATTATCCAA GTGGTGTCCGAAATGCCCTGAAATTGGGTTCTGGTTGGCCAATATTTCTCTATGGC TTTAGTGTCCAGGTTGTATGAGTGAACCGCTACCCCTGCATCAAGGAGGTGGAAATGT TATGTGTCCCGCAACTGAGAAGACTGTCTTTCTAGTGTTCATGTTTGTGNTAGTGGC ATCTGTGTGTGCTCAACCTGGCTGAACCTACCACCTGGGATGGCGCAAGATCAAGCTGG CTGTGCGAGGGGCTCAGGCCAGAGAAA |
| Restriction Sites: | Please inquire |
| ACCN: | NM_020660 |
| Insert Size: | 900 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). |
| 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: | <u>NM_020660.1</u> , <u>NP_065711.1</u> |
| RefSeq Size: | 966 bp |
| RefSeq ORF: | 966 bp |
| Locus ID: | 57369 |
| UniProt ID: | <u>Q9UKL4</u> |
| Cytogenetics: | 15q14 |
| Protein Families: | Ion Channels: Other, Transmembrane |
| Protein Pathways: | Gap junction |

Gene Summary:

This gene encodes a member of the connexin protein family. Connexins are gap junction proteins which are arranged in groups of 6 around a central pore to form a connexon, a component of the gap junction intercellular channel. The channels formed by this protein allow cationic molecule exchange between human beta cells and may function in the regulation of insulin secretion. [provided by RefSeq, Oct 2012]