

Product datasheet for **SC123764**

GJB5 (BC004379) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GJB5 (BC004379) Human Untagged Clone
Tag:	Tag Free
Symbol:	GJB5
Synonyms:	connexin 31.1; CX31.1; gap junction protein, beta 5 (connexin 31.1); gap junction protein, beta 5, 31.1kDa; OTTHUMP00000004186
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC004379 edited

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ATGAAATTC AAGCTGCTTGCTGAGTCTATTGCCGGCTGCTGGGAGCCAGGAGAGCCCTG
AGGAGTAGTCACTCAGTAGCAGCTGACGCGTGGGTCCACCATGAACTGGAGTATCTTTGA
GGGACTCCTGAGTGGGGTCAACAAGTACTCCACAGCCTTTGGGCGCATCTGGCTGTCTCT
GGTCTTCATCTTCCGCGTGTGGTGTACCTGGTGACGGCCGAGCGTGTGTGGAGTGATGA
CCACAAGGACTTCGACTGCAATACTCGCCAGCCCGGCTGCTCCAACGTCTGCTTTGATGA
GTTCTTCCCTGTGCCATGTGCGCCTCTGGGCCCTGCAGCTTATCCTGGTGACATGCC
CTCACTGCTCGTGGTCATGCACGTGGCCTACCGGGAGGTTCAGGAGAAGAGGCACCGAGA
AGCCCATGGGGAGAACAGTGGGCGCCTCTACCTGAACCCCGCAAGAAGCGGGGTGGGCT
CTGGTGGACATATGTCTGCAGCCTAGTGTTC AAGGCGAGCGTGGACATCGCCTTTCTCTA
TGTGTTCCACTCATTCTACCCCAAATATCCTCCCTCCTGTGGTCAAGTGCCACGCAGA
TCCATGTCCCAAATATAGTGGACTGCTTCATCTCCAAGCCCTCAGAGAAGAACATTTTCAC
CCTCTTATGGTGGCCACAGCTGCCATCTGCATCCTGCTCAACCTCGTGGAGCTCATCTA
CCTGGTGAGCAAGAGATGCCACGAGTGCCTGGCAGCAAGGAAAGCTCAAGCCATGTGCAC
AGGTCATCACCCACCGTACCACCTTCTCCTGCAAACAAGACGACCTCCTTTCCGGTGA
CCTCATCTTTCTGGGCTCAGACAGTCACTCCTCTCTTACCAGACCGCCCCGAGACCA
TGTGAAGAAAACCATCTTGTGAGGGGCTGCCTGGACTGGTCTGGCAGGTTGGGCCTGGAT
GGGGAGGCTCTAGCATCTCTCATAGGTGCAACCTGAGAGTGGGGGAGCTAAGCCATGAGG
TAGGGGACGGCAAGAGAGAGGATT CAGACGCTCTGGGAGCCAGTTCCTAGTCCTCAACTC
CAGCCACCTGCCCCAGCTCGACGGCACTGGGCCAGTTCCTCCTCTGCTCTGCAGCTCGGT
TTCTTTTCTAGAATGGAATAGTGAGGGCCAATGCCAGGGTTGGAGGGAGGAGGGCGT
TCATAGAAGAACACACATGCGGGCACCTTCATCGTGTGTGGCCACTGTCAGAACCTAAT
AAAAGTCAACTCATTGCTGGA AAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for BC004379 unedited NNAAGTTCAGAATTGTATACGACTCATATAGGCGGCACGCGAATTCGCACGAGGATGAAA TTCAAGCTGCTTGCTGAGTCCTATTGCCGGCTGCTGGGAGCCAGGAGAGCCCTGAGGAGT AGTCACTCAGTAGCAGCTGACGCGTGGGTCCACCATGAACTGGAGTATCTTTGAGGGACT CCTGAGTGGGGTCAACAAGTACTCCACAGCCTTTGGGCGCATCTGGCTGTCTCTGGTCTT CATCTTCCGCGTCTGGTGTACCTGGTGACGGCCGAGCGTGTGTGGAGTGATGACCACAA GGACTTCGACTGCAATACTCGCCAGCCCGGCTGCTCCAACGTCTGCTTTGATGAGTTCTT CCCTGTGTCCCATGTGCGCCTCTGGGCCCTGCAGCTTATCCTGGTGACATGCCCCCTCAT GCTCGTGGTCATGCACGTGGCCTACCGGGAGGTTCAAGGAGAAGAGGCACCGAGAAGCCCA TGGGGAGAACAGTGGGCGCCTCTACCTGAACCCCGCAAGAAGCGGGTGGGCTCTGGTG GACATATGTCTGCAGCCTAGTGTCAAGGCGAGCGTGGACATCGCCTTTCTATGTGTT CCACTCATTCTACCCAAATATATCCTCCCTCCTGTGGTCAAGTCCACGCAGATCCATG TCCCAATATAGTGGACTGCTTCATCTCAAGCCCTCAGAGAAGAACATTTTACCCTCTT CATGGTGGCCACAGCTGCCATCTGCATCCTGCTCAACCTCGTGGAGCTCATCTACCTGGT GAGCAAGAGATGCCACGAGTGCCTGGCAGCAAGGAAAGCTCAAGCCATGTGCACAGGTCA TACCCCCACGGTACCACCTTCTCTGCNAACAGAACGACCTCTTTCGGGTGACCCTCAT CTTCTGGGCTCANACAGTCT
Restriction Sites:	Please inquire
ACCN:	BC004379
Insert Size:	1299 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>BC004379.1</u> , <u>AAH04379.1</u>
RefSeq Size:	1299 bp
RefSeq ORF:	819 bp
Locus ID:	2709
Cytogenetics:	1p34.3
Protein Families:	Ion Channels: Other, Transmembrane

Gene Summary:

This gene encodes a member of the beta-type (group I) connexin family. The encoded protein is a gap junction protein involved in intercellular communication related to epidermal differentiation and environmental sensing. This gene has been linked to non-small cell lung cancer. [provided by RefSeq, Nov 2012]