

Product datasheet for **SC124154**

GJB5 (NM_005268) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GJB5 (NM_005268) Human Untagged Clone
Tag:	Tag Free
Symbol:	GJB5
Synonyms:	CX31.1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124154 sequence for NM_005268 edited (data generated by NextGen Sequencing)

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ATGAACTGGAGTATCTTTGAGGGACTCCTGAGTGGGGTCAACAAGTACTCCACAGCCTTT
GGGCGCATCTGGCTGTCTCTGGTCTTCATCTTCCGCGTGTGGTGTACCTGGTGACGGCC
GAGCGTGTGTGGAGTGATGACCAAGGACTTCGACTGCAATACTCGCCAGCCCGGCTGC
TCCAACGTCTGCTTTGATGAGTTCTTCCCTGTGTCCCATGTGCGCCTCTGGGCCCTGCAG
CTTATCCTGGTGACATGCCCTCACTGCTCGTGGTTCATGCACGTGGCCTACCGGGAGGTT
CAGGAGAAGAGGCCACCGAGAAGCCCATGGGGAGAACAGTGGGCGCCTCTACCTGAACCC
GGCAAGAAGCGGGTGGGCTCTGGTGGACATATGTCTGCAGCCTAGTGTCAAGGCGAGC
GTGGACATCGCCTTTCTCTATGTGTTCCACTCATTCTACCCAAATATATCCTCCCTCCT
GTGGTCAAGTGCCACGCAGATCCATGTCCAATATAGTGGACTGCTTCATCTCCAAGCCC
TCAGAGAAGAACATTTTACCCTTTCATGGTGGCCACAGCTGCCATCTGCATCCTGCTC
AACCTCGTGGAGCTCATCTACCTGGTGAGCAAGAGATGCCACGAGTGCCTGGCAGCAAGG
AAAGCTCAAGCCATGTGCACAGGTATCACCCACGGTACCACCTCTTCTGCAAACAA
GACGACCTCCTTTGCGGTGACCTCATCTTTCTGGGCTCAGACAGTCATCCTCCTCTCTTA
CCAGACCGCCCCGAGACCATGTGAAGAAAACCATCTTGTGA
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Clone variation with respect to NM_005268.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005268 unedited</p> <pre> NGGGAAACTCGGTATTTGTAAACGACTTACTATAGGCGGCCGNAATTCGCACGAGGA TGAAATTCAGACTGCTTGCTGAGTCCTATTGCCGGCTGCTGGGAGCCAGGAGAGCCCTGA GGAGTAGTCACTCAGTAGCAGCTGACGCGTGGGTCCACCATGAACTGGAGTATCTTTGAG GGACTCCTGAGTGGGGTCAACAAGTACTCCACAGCCTTTGGGCGCATCTGGCTGTCTCTG GTCTTCATCTTCCGCGTCTGGTGTACCTGGTGACGGCCGAGCGTGTGTGGAGTGATGAC CACAAAGACTTCGACTGCAATACTCGCCAGCCCGGCTGCTCCAAGTCTGCTTTGATGAG TTCTTCCCTGTGCCATGTGCGCCTCTGGGCCCTGCAGCTTATCCTGGTGACATGCCCC TCACTGCTCGTGGTCATGCACGTGGCCTACCGGGAGGTTCAAGGAGAAGAGGCACCGAGAA GCCCATGGGGAGAACAGTGGGCGCCTCTACCTGAACCCCGGCAAGAAGCGGGGTGGGCTC TGGTGGACATATGTCTGCAGCCTAGTGTCAAGGCGAGCGTGGACATCGCCTTTCTCTAT GTGTTCCACTCATTCTACCCAAATATATCCTCCCTCCTGTGGTCAAGTCCACGCAGAT CCATGTCCCAATATAGTGGACTGCTTCATCTCAAGCCCTCAGAGAAGAACATTTTACC CTTTTCATGGTGGCCACAGCTGCCATCTGCATCCTGCTCAACCTCGTGGAGCTCATCTAC CTGGTGAGCAAGAGATGCCACGAGTGCCTGGCAGCAGAAAGCTCAAGCATGTGCACAGG TCATCACCCACCGGTACCCACCTTTCTGCANACAAGACGACCTCTTTCGNTGACCT CATCTTTCTGGGCTCAGACAGTCAT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005268 unedited</p> <pre> AGGGGNAGGGNNTNNNNTTGCCTGGATGGCACTTCCAGGCCAGGAGAGGCACTGGGGAGG GGTCACAGGGATGCCACCCGGGATCTGTTCAAGAAACAGCTATGACCGCGCCGCAATCT AGAGTCGAGTTTTTTTTTTTTTTTTTCCAGCAAATGAGTTGACTTTTATTAAGTTCTGA CAGTGGGCCACACACGATGAAGGTGCCCGCATGTGTGTTCTTCTATGAACGCCCTCTCC CTCCAACCCTGGGCATTGGCCCTCACTATTTCCATTCTAGAAAAGGAAACCGAGCTGCAG AGCAGAGGGGAACTGGCCAGTGCCGTCGAGCTGGGGCAGGTGGCTGGAGTTGAGGACT AGGAACTGGCTCCAGAGCGTCTGAATCCTCTCTTTCCTGCCCCTACCTCATGGCTTA GCTCCCCACTCTCAGGTTGCACCTATGAGAGATGCTAGAGCCTCCCATCCAGGCCCAA CCTGCCAGACCAGTCCAGGCAGCCCTCACAAGATGGTTTTTTCACATGGTCTCGGGGG CGGTCTGGTAAGAGAGGAGGATGACTGTCTGAGCCAGAAAGATGAGGTACCCGAAAGG AGGTCGTCTTGTTCAGGAAGAGGTGGTACCGTGGGGGTGATGACCTGTGCACATGGCT TGAGCTTTCCTTGTGCCAGGCACTCGTGGCATCTCTTGCTCACCAGGTAGATGAGCTCC ACGAGGTTGAGCAGGATGCANATGGCAGCTGTGGCCACCATGAAGAGGGTGAAAATGTTC TTCTCTGAGN </pre>
Restriction Sites:	Please inquire
ACCN:	NM_005268
Insert Size:	1500 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:

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_005268.2](#), [NP_005259.1](#)

RefSeq Size: 1299 bp

RefSeq ORF: 822 bp

Locus ID: 2709

UniProt ID: [O95377](#)

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]