

Product datasheet for **SC122098**

GJB4 (NM_153212) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GJB4 (NM_153212) Human Untagged Clone
Tag:	Tag Free
Symbol:	GJB4
Synonyms:	CX30.3; EKV; EKVP2
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_153212, the custom clone sequence may differ by one or more nucleotides

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ATGAACTGGGCATTTCTGCAGGGCCTGCTGAGTGGCGTGAACAAGTACTCCACAGTGCTGAGCCGCATCT
GGCTGTCTGTGGTGTTCATCTTTTCGTGTGCTGGTGTACGTGGTGGCAGCGGAGGAGGTGTGGACGATGA
GCAGAAGGACTTTGTCTGCAACACCAAGCAGCCCGGCTGCCCAACGTCTGCTATGACGAGTTCTTCCCC
GTGTCCCACGTGCGCCTCTGGGCCCTACAGCTCATCCTGGTCACGTGCCCTCACTGCTCGTGGTCATGC
ACGTGGCCTACCGCGAGGAACGCGAGCGCAAGCACCACCTGAAACACGGGCCAATGCCCGTCCCTGTA
CGACAACCTGAGCAAGAAGCGGGGCGGACTGTGGTGGACGTAATTGCTGAGCCTCATCTTCAAGGCCGCC
GTGGATGCTGGTTCCTCTATATCTTCCACCGCCTCTACAAGGATTATGACATGCCCGCGTGGTGGCCT
GCTCCGTGGAGCCTTGCCCCACACTGTGGACTGTTACATCTCCCGGCCACGGAGAAGAAGGTCTTAC
CTACTTCATGGTGACCACAGCTGCCATCTGCATCCTGCTCAACCTCAGTGAAGTCTTCTACCTGGTGGG
AAGAGGTGCATGGAGATCTTCGGCCCCAGGCACCGCGGCCTCGGTGCCGGGAATGCCTACCCGATACGT
GCCACCATATGCCTCTCCAGGGAGGGCACCCCTGAGGATGGGAACCTGTCTAATGAAGGCTGGGTC
GGCCCCAGTGGATGCAGGTGGGTATCCATAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_153212 unedited CGCGATTTCGATATTTGTAATACCACTCTTTATAGGCGGCCGACGAATCCCGGNATCAAG CTCCCAAGGCCTGAGTGGGCAGGTAGCACCCAGGTATAGACCTTCCACGTGCAGCACCCA GGACACAGCCAGCATGAACTGGGCATTTCTGCAGGGCCTGCTGAGTGGCGTGAACAAGTA CTCCACAGTGTGAGCCGCATCTGGCTGTCTGTGGTGTTCATCTTTCGTGTGCTGGTGTA CGTGGTGGCAGCGGAGGAGGTGTGGGACGATGAGCAGAAGGACTTGTCTGCAACACCAA GCAGCCCGGCTGCCCAACGCTGTCTATGACGAGTTCTTCCCGTGTCCACGTGGCCT CTGGGCCCTACAGCTCATCCTGGTCACGTGCCCTCACTGCTCGTGGTCAATGCACGTGGC CTACCGCGAGGAACGCGAGCGCAAGCACCACTGAAACACGGGCCAATGCCCGTCCCT GTACGACAACCTGAGCAAGAAGCGGGCGGACTGTGGTGGACGTAATTGCTGAGCCTCAT CTTCAAGGCCCGCTGGATGCTGGCTTCTCTATATCTTCCACCGCCTCTACAAGGATTA TGACATGCCCCGCTGGTGGCCTGCTCCGTGGAGCCTTGCCCCACACTGTGGACTGTTA CATCTCCCGCCACGGAGAAGAAGTCTTACCTACTTCATGGTGACCACAGCTGCCAT CTGCATCTGCTCAACCTCAGTGAAGTCTTCTACCTGGTGGCAAGAGGTGCATGGAGAT CTTCGGCCCCAGGCACCGCGGCACTCGTGCCGGAATGCATACCCGATACGTGCCACA TATGTCCTCTCCAGGGGACCCCTGAAGAGGGAAGTCTGTCCCTAATAAAGCTGGGTCCG GCCAGTGGATGCGGTGG
Restriction Sites:	Please inquire
ACCN:	NM_153212
Insert Size:	1200 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:	NM_153212.1 , NP_694944.1
RefSeq Size:	1243 bp
RefSeq ORF:	801 bp
Locus ID:	127534
UniProt ID:	Q9NTQ9
Cytogenetics:	1p34.3
Protein Families:	Ion Channels: Other, Transmembrane

Gene Summary:

This gene encodes a transmembrane connexin protein that is a component of gap junctions. Mutations in this gene have been associated with erythrokeratoderma variabilis, progressive symmetric erythrokeratoderma and hearing impairment. [provided by RefSeq, Dec 2009]