

Product datasheet for **MC226777**

Gjb1 (NM_001302496) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gjb1 (NM_001302496) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gjb1
Synonyms: Cnx32; connex; connexin-32; Cx32; Cxng
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226777 representing NM_001302496
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGTGGACAGGTCTATACACCTTGCTCAGTGGCGTGAATCGGCACTCTACAGCCATTGGCCGAGTAT
 GGCTGTCTGTCACTTTCATCTTCAGAATCATGGTGTGGTGGCTGCTGAGAGCGTGTGGGGGATGA
 GAAGTCTCTTTTCATCTGTAACACCCTCCAGCCGGCTGCAACAGCGTCTGCTATGACCATTTTTCCCC
 ATCTCCACGTGCGCCTATGGTCCCTGCAGCTTATCTTGGTTTCCACCCAGCTCTCCTCGTGGCAATGC
 ACGTAGCTCACCAACAGCACATAGAAAAGAAAATGCTACGGCTTGAGGGGCATGGGGACCCCTTACCT
 GGAAGAGGTAAAGAGACACAAGGTGCACATCTCAGGGACACTGTGGTGGACCTATGTCATCAGTGTGGT
 TTCCGGCTGTGTTCGAGGCTGTCTTATGTATGTCTTCTATCTGCTCTACCCGGCTATGCCATGGTGC
 GGCTGGTCAAGTGTGAAGCCTTCCCCTGCCCAACACAGTGGACTGCTTCGTGTCCCGCCCCACCGAGAA
 AACCGTCTTCACTGTCTTATGCTCGCAGCCTCCGGCATCTGCATTATCCTCAACGTGGCGGAGGTGGT
 TACCTCATCATCCGGCCTGTGCCGCCGTGCTCAGCGCCGCTCCAATCCGCCCTCCCGCAAGGGCTCGG
 GCTTCGGCCACCGCCTCACCTGAATACAAGCAGAATGAGATCAACAAGCTGCTGAGCGAGCAGGATGG
 CTCTCTGAAAGACATACTGCGCCGAGCCCTGGCACAGGGGCCGGCTCGCTGAAAAGAGCGACCCGATGC
 TCAGCCTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302496
Insert Size: 852 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001302496.1</u> , <u>NP_001289425.1</u>
RefSeq Size:	1525 bp
RefSeq ORF:	852 bp
Locus ID:	14618
UniProt ID:	<u>P28230</u>
Cytogenetics:	X 44.06 cM
Gene Summary:	<p>This gene is a member of the gap junction protein (connexin) family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of ions and small molecules between cells. Mutations in a similar gene in human cause X-linked Charcot-Marie-Tooth disease, an inherited peripheral neuropathy. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All of the variants encode the same protein.</p>