

Product datasheet for **MC226645**

Gjb6 (NM_001271663) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gjb6 (NM_001271663) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gjb6
Synonyms:	AA958971; Cx30; D14Bwg0506e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226645 representing NM_001271663 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTGGGGACCCTGCACACCGTCATCGGTGGCGTGAACAAGCACTCTACCAGCATAGGGAAGGTGT
GGATCACGGTCATCTTTATTTCCGAGTCATGATCCTAGTGGTGGCTGCCAGGAAGTGTGGGTGATGA
GCAGGAGGACTTTGTCTGCAACTCTGCAGCCAGGGTGAAGAAGCTGCTATGACCATTTCTCCCG
GTGTCTCACATCCGGCTCTGGCCCTGCAGCTGATCTTTGTGTCTACCCAGCCCTGTTGGTGGCCATGC
ACGTGGCCTACTACAGACATGAAACTGCCCGAAAGTTTATACGTGGGAGAAGAGAAACGAGTTTAAAGA
CCTGGAGGACATCAAACGGCAGAAGGTGCGCATTGAGGGCTCCCTGTGGTGGACGTACACCAGCAGCATT
TTCTTCCGCATCATCTTGAAGCCGCTTCATGTATGTGTTCTACTTCTCTACAATGGGTACCACCTAC
CCTGGGTACTGAAATGTGGCATTGACCCCTGCCCAATCTCGTGGACTGCTTCATTTGAGGCCAACTGA
GAAAACGGTGTCTACTGTTTTATGATTTCCGCATCCGTGATTTGCATGCTGCTCAATGTGGCCGAGTTG
TGTTACCTGCTGCTTAAATTGTGCTTTAGGAGATCCAAAAGAACAGGGCAGAGAAACCCCAACC
ATGCCCTGAAAGAGCAAGCAGAATGAAATGAATGAGCTGATCTCAGATAGTGGCCAGAATGCAATCAC
AAGTTTCCAAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001271663
Insert Size:	786 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_001271663.1, NP_001258592.1</u>
RefSeq Size:	2198 bp
RefSeq ORF:	786 bp
Locus ID:	14623
UniProt ID:	<u>P70689</u>
Cytogenetics:	14 30.1 cM
Gene Summary:	<p>One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 5' UTR compared to variant 2. Both variants 2 and 3 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>