

Product datasheet for **MC208558**

Gjb4 (NM_008127) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gjb4 (NM_008127) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gjb4
Synonyms: Cnx30.3; Cx30.3; Gjb-4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208558 representing NM_008127
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGTGGGATTTCTCCAGGGAATCCTGAGTGGTGTGAACAAGTACTCCACGGCACTGGGCCGATCT
GGCTGTCTGTGGTCTTCATCTTCCGGGTGCTGGTGTATGTGGTGGCGGCAGAGGAGGTGTGGACGACGA
TCAAAAGGATTTTCATCTGCAATACCAAGCAGCCAGGCTGCCCAACGTCTGCTATGATGAGTTCTCCCC
GTGTCCCACGTGCGCCTCTGGGCCCTGCAGCTCATCTGGTACCTGTCCCTCCCTGTTAGTGGTCATGC
ATGTGGCCTATCGTGAAGAGCGAGAAAGGAAACATCGCCTCAAACATGGGCCCAATGCCCCAGCCCTGTA
CAGCAACCTGAGCAAGAAGAGGGGTGGCCTGTGGTGGACATACCTGCTGAGTCTCATCTTCAAGGCTGCT
GTGGACTCTGGCTTTCTCTACATCTTCCATTGCATTTACAAGGACTATGACATGCCCCGAGTGGTAGCTT
GCTCTGTGACTCCCTGCCCCACACTGTGGACTGTTACATCGCCCGACCCACAGAGAAGAAGGTCTTCAC
CTACTTCATGGTAGTCACGGCAGCCATTTGTATTCTACTCAACCTCAGTGAGGTCGTCTACCTGGTGGGC
AAGAGATGCATGGAGGTCTTCCGTCCCCGGCGCCGAAAGCTTCCAGGAGGCACCAACTGCCAGATACGT
GCCACCGTATGTGATCTCAAAGGAGGTCACCTCAAGATGAGAGCGTGATCCTAACAAAGCCGGGAT
GGCCACGGTGGATGCAGGTGTGTATCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_008127
Insert Size: 801 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).
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_008127.4 , NP_032153.1
RefSeq Size:	1445 bp
RefSeq ORF:	801 bp
Locus ID:	14621
UniProt ID:	Q02738
Cytogenetics:	4 61.51 cM
Gene Summary:	Structural component of gap junctions (PubMed:15692151). Gap junctions are dodecameric channels that connect the cytoplasm of adjoining cells. They are formed by the docking of two hexameric hemichannels, one from each cell membrane (By similarity). Small molecules and ions diffuse from one cell to a neighboring cell via the central pore (PubMed:15692151). [UniProtKB/Swiss-Prot Function]