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Product datasheet for MC208557

Gjb1 (NM_008124) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gjb1 (NM_008124) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gjb1
Synonyms:	Cnx32; connex; connexin-32; Cx32; Cxng
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208557 representing NM_008124 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAACTGGACAGGTCTATACACCTTGCTCAGTGGCGTGAATCGGCACTCTACAGCCATTGGCCGAGTAT GGCTGTCTGTCATCTTCATCTTCAGAATCATGGTGCTGGTGGTGGCTGCTGAGAGCGTGTGGGGGGATGA GAAGTCCTCTTTCATCTGTAACACCCTCCAGCCGGGCTGCAACAGCGTCTGCTATGACCATTTTTTCCCC ATCTCCCACGTGCGCCTATGGTCCCTGCAGCTTATCTTGGTTTCCACCCCAGCTCTCCTCGTGGCAATGC ACGTAGCTCACCAACAGCACATAGAAAAGAAAATGCTACGGCTTGAGGGGCATGGGGACCCCCTTCACCT GGAAGAGGTAAAGAGACACAAGGTGCACATCTCAGGGACACTGTGGTGGACCTATGTCATCAGTGTGGTG TTCCGGCTGCTGTTCGAGGCTGTCTTCATGTATGTCTTCTATCTGCTCTACCCCGGCTATGCCATGGTGC GGCTGGTCAAGTGTGAAGCCTTCCCCTGCCCCAACACAGTGGACTGCTTCGTGTCCCGCCCCACCGAGAA AACCGTCTTCACTGTCTTTATGCTCGCAGCCTCCGGCATCTGCATTATCCTCAACGTGGCGGAGGTGGTG TACCTCATCATCCGGGCCTGTGCCCGCCGTGCTCAGCGCCGCTCCAATCCGCCCTCCCGCAAGGGCTCGG GCTTCGGCCACCGCCTCTCACCTGAATACAAGCAGAATGAGATCAACAAGCTGCTGAGCGAGCAGGATGG CTCTCTGAAAGACATACTGCGCCGCAGCCCTGGCACAGGGGCCGGGCTCGCTGAAAAGAGCGACCGATGC TCAGCCTGCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Chromatograms:	https://cdn.origene.com/chromatograms/ja3092_e06.zip
Restriction Sites:	SgfI-MluI
ACCN:	NM_008124

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Insert Size:	852 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_008124.3, NP_032150.2
RefSeq Size:	1519 bp
RefSeq ORF:	852 bp
Locus ID:	14618
UniProt ID:	P28230
Cytogenetics:	X 44.06 cM
Gene Summary:	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]