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Product datasheet for MC227586

Gja3 (NM_001271623) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gja3 (NM_001271623) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gja3
Synonyms:	Cnx46; Cx43; Cx46; Gja-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC227586 representing NM_001271623 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGCGACTGGAGCTTCCTGGGGCGGCTGCTGGAGAACGCACAGGAGCACTCTACAGTCATCGGCAAAG TGTGGCTGACCGTGCTGTTCATCTTCCGCATTCTGGTGTTAGGGGCGGCAGCCGAGGAGGTGTGGGGCGA CGAGCAATCGGACTTCACCTGCAACACACAGCAGCCAGGCTGTGAGAACGTCTGCTACGACCGCGCTTTC CCCATTTCGCACATCCGCTTCTGGGCGCTGCAAATCATCTTCGTGTCTACGCCCACCCTCATCTATCTGG GCCACGTGCTACACATCGTGCGCATGGAGGAGAAGAAGAAAGAGCGGGAGGAAGAGCTGCTGAGGAGAGA CAACCCTCAGCACGGCCGTGGTCGCGAGCCAATGCGTACAGGGAGCCCGCGGGACCCTCCACTACGCGAT GACCGTGGCAAGGTGCGCATCGCAGGTGCGCTGCTGCGGACCTACGTCTTCAACATCATCTTCAAGACAC TCTTCGAAGTGGGGTTCATCGCGGGCCAGTACTTTCTATACGGCTTCCAGCTGCAGCCACTTTACCGCTG CGACCGCTGGCCCTGCCCCAACACTGTGGACTGTTTCATCTCCAGGCCCACAGAGAAGACCATCTTTGTC ATCTTCATGCTGGCTGTGGCCTGTGCGTCACTGGTACTCAACATGCTGGAGATTTACCACCTGGGCTGGA AGAAGCTCAAGCAGGGAGTTACTAACCACTTCAACCCAGATGCCTCAGAAGCCAGGCACAAGCCCTTGGA CCCCCTACCCACGGCCACCAGCTCTGGCCCGCCCAGCGTCTCCATCGGGTTCCCACCTTATTACACACAC CCTGCCTGTCCCACAGTACAGGCAAAGGCCATAGGGTTTCCTGGGGCCCCACTATCACCAGCAGACTTCA CAGTGGTGACTCTAAACGATGCTCAAGGCAGAAACCACCCAGTCAAACACTGCAATGGCCACCACCTGAC GACAGAGCAGAACTGGACCAGGCAAGTGGCAGAGCAGCAGACTCCAGCCAGCAAGCCCTCTTCAGCAGCA TCCAGCCCTGATGGCCGCAAGGGGCTCATTGACAGCAGTGGCAGCAGCTTACAGGAGAGTGCCTTGGTAG TGACGCCAGAGGAGGGGGAACAGGCTTTGGCCACCACAGTGGAGATGCACTCGCCACCGTTGGTCCTCCT GGACCCAGGAAGGTCCAGCAAGTCCAGCAACGGACGTGCCAGACCAGGTGACTTGGCCATCTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001271623
Insert Size:	1254 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).
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:	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_001271623.1, NP_001258552.1
RefSeq Size:	2668 bp
RefSeq ORF:	1254 bp
Locus ID:	14611
UniProt ID:	Q64448
Cytogenetics:	14 29.82 cM
Gene Summary:	Structural component of lens fiber gap junctions. 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. Small molecules and ions diffuse from one cell to a neighboring cell via the central pore.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.