

Product datasheet for RN213232

Gja1 (NM_012567) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gja1 (NM_012567) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gja1
Synonyms:	Cx43
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213232 representing NM_012567 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGGTGACTGGAGTGCCTTGGGAAGCTTCTGGACAAGGTCCAAGCCTACTCCACCGCTGGAGGGAAGG
TGTGGCTGTCAGTCTTTCATATTCAGAATCCTGCTCCTGGGGACAGCTGTTGAGTCAGCTTGGGGTGA
TGAACAGTCTGCCTTTCGCTGTAACACTCAACAACCTGGCTGCGAAAACGTCTGCTATGACAAGTCTTC
CCATCTCTCACGTGCGCTTCTGGTCTTCAGATCATATTCGTGTCTGTGCCACCCCTCTGTACTTGG
CCCATGTGTTCTATGTGATGAGGAAGGAAGAGAAGCTAAACAAGAAAGAAGAGGAGCTCAAAGTGGCCCA
GACTGACGGGGTCAACGTGGAGATGCACCTGAAGCAGATTGAAATCAAGAAGTTCAAGTACGGGATTGAA
GAGCACGGCAAGGTGAAAATGAGGGGCGGCTTGTGAGAACCTACATCATCAGCATCCTCTTCAAGTCTG
TCTTCGAGGTGGCCTTCTGTCTCATCCAGTGGTACATCTATGGGTTGAGCTTGGAGCGGGTCTACACCTG
CAAGAGAGATCCCTGCCCCACCAGGTAGACTGCTTCTCCTCACGTCCCACGGAGAAAACCATCTTCATC
ATCTTCATGCTGGTGGTGTCTTGGTGTCTCTCGCTTTGAACATCATTGAGCTCTTCTACGTCTTCTTCA
AAGGCGTTAAGGATCGCGTGAAGGAAGAAGCGATCCTTACCACGCCACCCTGGCCCATGAGCCCATC
AAAAGACTGCGGATCTCCAAAATACGCCTACTTCAATGGCTGCTCCTCACCAACGGCTCCACTCTCGCCT
ATGTCTCCTCCTGGGTACAAGCTGGTACTGGTACAGAAAACAATTCTCGTGCCCAATTACAACAAGC
AAGCTAGCGAGCAAACTGGGCGAACTACAGCGCAGAGCAAAATCGCATGGGGCAGGCCGGAAGCACCAT
CTCCAACCTCGCACGCCAGCCGTTTCGATTTCCCGACGACAACCAGAATGCCAAAAAAGTTGCTGCTGGA
CATGAACTCCAGCCATTAGCCATCGTGGACCAACGACCTTCCAGCAGAGCCAGCAGCCGCGCCAGCAGCA
GGCCTCGGCTGATGACCTGGAGATT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_012567
Insert Size:	1149 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).
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_012567.2</u> , <u>NP_036699.1</u>
RefSeq Size:	3148 bp
RefSeq ORF:	1149 bp
Locus ID:	24392
UniProt ID:	<u>P08050</u>
Cytogenetics:	20q11
Gene Summary:	gap junction component; plays a role in cell-cell communication [RGD, Feb 2006]