

Product datasheet for RN212209

Gjd2 (NM_019281) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gjd2 (NM_019281) Rat Untagged Clone
Tag: Tag Free
Symbol: Gjd2
Synonyms: Cx36; Gja9
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212209 representing NM_019281
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGGAATGGACCATCTTGGAGAGGCTGCTGGAAGCCCGGTGCAGCAGCACTCCACTATGATTGGGA
GGATCCTGTTGACTGTGGTGGTGTCTTCCGGATACTCATTGTGGCCATTGTAGGGGAGACGGTGTACGA
TGATGAGCAGACCATGTTGTGTGCAACACCCTGCAGCCCGGCTGTAACCAGGCCTGCTATGACCCGCC
TTTCCCATCTCCATATACGTTACTGGTCTTCCAGATCATAATGGTGTGCACCCCACTCTCTGTTTCA
TCACCTATTCTGTGCATCAATCTGCCAAGCAGAGAGAACGCCGGTACTCGACTGTCTTCTAGCCCTGGA
CAGAGACCCTGTGAGTCTATAGGGGGACCTGGAGGAACGGGGGGTGGTGGCAGTGGTGGGAGCAAGCGA
GAAGATAAGAAGTTGCAAAATGCCATTGTCAATGGGGTGTCCAGAACACAGAGACCACCAGTAAGGAGA
CAGAACCAGATTGCTTAGAGGTTAAAGAGCTGGCTCCACATCCATCTGGGCTGCGCACAGCAGCAAGGTC
CAAGCTTCGAAGACAGGAAGGATTTCCCGTTTACATCATCCAAGTGGTGTTCGAAATGCTCTGGAG
ATTGGGTTTCTGGTGGCCAGTACTTTCTATATGGCTTCACTGCCAGGTTGTATGAGTGAACCCGCT
ACCCCTGCATCAAGGAGGTAGAATGTTATGTGTCTAGACCTACGGAGAAGACGGTCTTTCTGGTGTTCAT
GTTTGTGTGAGCGCATTTGTGTGGTGTCAATCTGGCTGAACCTAACCATCTGGGATGGCGGAAGATC
AAACTGGCTGTCCGGGGAGCCAGGCCAAGAGGAAGTCAGTCTATGAGATTTCGTAACAAAGACCTGCCAA
GAGTCAGTGTCCCAATTCGGCAGGACTCAGTCCAGTACTCCGCCTATGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_019281
Insert Size: 966 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_019281.2 , NP_062154.1
RefSeq Size:	1892 bp
RefSeq ORF:	966 bp
Locus ID:	50564
UniProt ID:	O70610
Cytogenetics:	3q35
Gene Summary:	component of gap junctions that may mediate cell-cell signaling that contributes to insulin cell function [RGD, Feb 2006]