

Product datasheet for **RR211017**

Gjb5 (NM_019241) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Gjb5 (NM_019241) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Gjb5
 Synonyms: Cx31.1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR211017 representing NM_019241
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGTGGAGCGTCTTTGAGGGGCTCCTAAGTGGGTCAACAAGTACTCCACAGCCTTTGGTCGCATCT
 GGCTGTCTCTGGTCTTTGTCTTCCGTGTGCTGGTGTACCTGGTGACAGCCGAGCGTGTGGGGTGACGA
 CCAGAAGGACTTTGACTGCAACACTAGGCAACCCGGCTGTACCAACGTCTGCTATGATGAGTTCTCCCT
 GTGTCCCACGTGCGCCTCTGGGCCCTGCAGCTCATCCTGGTCACATGCCCTCCTTGCTTGTGTCATGC
 ATGTGGCCTATAGAAAGGCTCGAGAGAAGAAGTACCAGCAAGAAGTTGGCAAAGGGTACCTCTACCCAAA
 CCCCAGCAAGAAGCGAGGCGGACTCTGGTGGACATACGCTCTGCAGCCTGTTGTTCAAGGCCACCATAGAT
 ATTATTTTCTCTACCTTTTCCATGCATTCTACCCAGATATACCCTCCCCTCTATGGTCAAGTGCCATT
 CGGCACCATGTCCCAACACAGTGGACTGCTTATCGCCAAGCCCTCAGAGAAGAACATCTTCATTGTCTT
 CATGTTGGTCACGGCCATCGTCTGCATCCTGCTAACCTTGTGGAGTGTCTACTTGGTGATCAAGCGG
 TGTTCTGAGTGTGACCAGCGAAGAGACCGCCACTGCACACGCAAGAATGACCCAACTGGGCCAACCC
 CTTCCAGCAAAGAGAAGGACTTCTCTCAAGCACCTCATCTTTCTGGGCTCGGACACTCACCCACCTCT
 GTTACCTGATCGCCCTCGAGCCACGTGAAGAAAACCATTCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211017 representing NM_019241
Red=Cloning site Green=Tags(s)

MNWSVFEGLLSGVNKYSTAFGRWLVLVVFVFRVLVYLVTAEVWGGDQKDFDCNTRQPGCTNVCYDEFFP
 VSHVRLWALQLILVTCPSLLVVMHVAYRKAREKKYQQEVGKGYL YPNPGKKRGGLLWWTYVCSLLFKATID
 IIFLYLFHAFYPRYTLPSMVKCHSAPCNTVDCAIKPSEKNIFIVFMLVTAIVCILLNLVELLYLVIKR
 CSECAPAKRPPTAHAKNDPNWANPSSKEKDFLSSDLIFLGS DTHPPLLDRPRAHVKKTIL

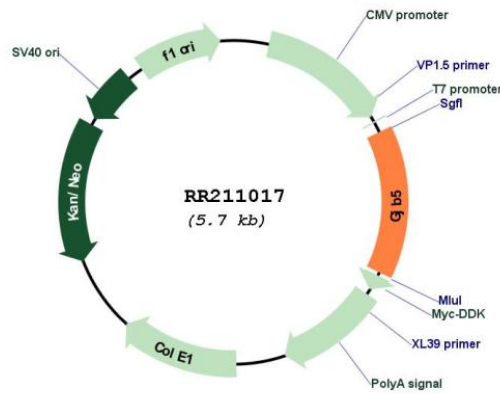
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019241
ORF Size: 813 bp

| | |
|-------------------------------|---|
| OTI Disclaimer: | 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 |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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_019241.1 , NP_062114.1 |
| RefSeq Size: | 816 bp |
| RefSeq ORF: | 816 bp |
| Locus ID: | 29586 |
| UniProt ID: | P28232 |
| Cytogenetics: | 5q36 |
| MW: | 31 kDa |
| Gene Summary: | may form gap junction channels [RGD, Feb 2006] |