

Product datasheet for **RR206471**

Gjb4 (NM_053984) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gjb4 (NM_053984) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gjb4
Synonyms: Cnx30.3; Cnx30.3o; Cx30.3; Cx30.3o; Gjb4o
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206471 representing NM_053984
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGTGGGATTTCTCAGGGGATCCTGAGCGGCGTGAACAAGTACTCCACAGCGCTGGGCCGATCT
GGCTGTCGGTGGTCTTCATCTTCCGGGTGCTGGTGTATGTGGTGGCGCGGAGGAGGTGGGATGACGA
GCAGAAGGATTTTCATCTGCAACACCAAGCAGCCCGGCTGCCCAATGTCTGCTATGACGAGTTCTTTCC
GTGTCCCACGTGCGCCTCTGGGCCCTGCAGCTCATCCTGGTACCTGTCTTCCCTGTTAGTGGTCATGC
ATGTGGCCTATCGCAAGAGCGAGAAAGGAAACACCGCCTCAAACATGGGCCCGACGCCCCGGCCCTGTA
CAGCAACCTGAGCAAGAAGAGGGGCGGCTGTGGTGGACGTACCTGCTGAGTCTCATCTTCAAGGCTGCT
GTGGACTCGGGATTCTCTATATCTTCCACTGCATTTACAAGGACTACGACATGCCCCGTGGTAGCTT
GCTCTGTGCAGCCCTGCCCCACACCGTGGACTGTTACATCTCCCGACCCACGGAGAAGAAGGTCTTAC
CTACTTCATGGTAGTCACAGCAGCCATCTGTATCCTCCTCAACCTCAGTGAGGTCGCCTATCTGGTGGGC
AAGAGATGCATGGAGGTCTTCCGTCCCCGGCGCCAGAAAATTCCAGGAGGCACCAGCTACCCGATACGT
GCCACCGTATGTGATCTCAAAGGTCACCCCAAGATGAGAGCACCGTCCTGACAAAGCCGGGATGGC
CACAGTGGATGCAGGTGTGTATCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206471 representing NM_053984
Red=Cloning site Green=Tags(s)

MNWGFLQGILSGV NKYSTALGRIWLSVVFIFRVLVYVVAEEVWDDEQKDFICNTKQPGCPNVCYDEFFP
 VSHVRLWALQLILVTCPSLLVVMHVAYREERERKHLKHGPDAPALYSNL SKKRGGLWWTYLLSLIFKAA
 VDSGFLYIFHCIYKDYDMPRVVACSVQPCPHTVDCYISRPTTEKKVFTYFMVVTAACILLNLSEVAYLVG
 KRCMEVFRPRRQKTSRRHQLPDTCPYVVISKGHPQDESTVLTKAGMATVDAGVYP

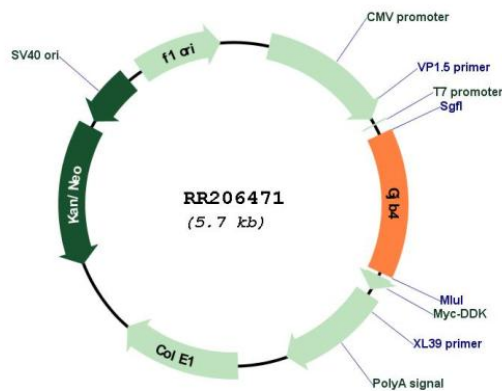
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053984

ORF Size: 795 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_053984.2 , NP_446436.1
RefSeq Size:	2659 bp
RefSeq ORF:	798 bp
Locus ID:	117055
UniProt ID:	P36380
Cytogenetics:	5q36
MW:	30.4 kDa
Gene Summary:	gap junction protein, member of the connexin protein family [RGD, Feb 2006]