

Product datasheet for **RR200207**

Kcng3 (NM_001033957) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcng3 (NM_001033957) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kcng3
Synonyms:	Kv6.3; Kv10.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR200207 representing NM_001033957
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCTTCGGGCGGGCGGGGGCGCCCTCGGTGGTGTCTGAACGTGGGCGGCGCCCGTACTCGTGTCCC
 GGGAGCTGCTCAAGGACTTCCCCTGCGCGTGTGAGCCGGCTGCACGGCTGCCGCTCGGAGCGCGACGT
 GCTCGAGGTGTGCGACGACTACGACCGGGAGCGCAACGAGTACTTCTTCGACCGGCACTCGGAGGCCCTC
 GGCTTCATCCTGTGTACGTGCGCGGCCACGGGAAGCTGCGCTTCGCGCCGCGGATGTGCGAGCTCCT
 TCTACAACGAGATGATCTACTGGGCGCTGGAGGGCGCGCACCTGGAGTACTGCTGCCAGCGCCGCCTAGA
 CGACCGCATGTCCGACACCCACACCTTCCACGCGGCAGAGGAGCTGGGCCGCGAGCAGCCTCGTCCCACC
 GGGCCCGAGGCGGCTCCCTCCCGCGCTGGCTGGAGCGCATGCGGCGGACCTTCGAGGAGCCACGTCGT
 CGCTGGCCGCGCAGATCCTGGCCAGCGTGTCCGTGGTGTTCGTGATCGTGTCTATGGTGGTGTGTGCGC
 CAGCACGCTGCCGACTGGCGCGGGCGGCCGACAACCGCAGTCTGGATGACCGGAGCAGGATAATT
 GAAGCTATCTGCATAGGCTGGTTCACCGCGGAGTGCATCGTGGGTTTCATCGTCTCAAAAAACAAGTGTG
 AGTTTGTCAAGAGACCCCTGAACATCATCGACTTACTGGCAATCACCCCTATTACATCTCCGTGTGTGAT
 GACAGTGTTCACAGGCGAGAACTCTCAACTCCAGAGGGCTGGGGTCAACCTGAGGGTCTCCGAATGATG
 CGGATCTTCTGGGTGATTAAGCTTGCCCGGCACTTCATCGGCCTGCAGACCCTGGGCTTGACTCTCAAGC
 GATGCTACCGAGAGATGGTTATGTTGCTCGTCTTCATCTGTGTTGCTATGGCGATCTTCAGTGCACCTC
 TCAGCTCCTTGAGCAGGGTTGGACTTGGAGACGTCCAACAAGGACTTTGCCAGCATCCCCGCTGCCTGC
 TGGTGGGTGATTATCTCTATGACTACAGTGGGCTATGGAGACATGATCCATCACAGTGCCTGGAAGGA
 TTCTTGGAGGAGTTTGTGTTGTGTCAGTGGGATCGTTCTGTTGGCATTACCTATCACTTTTCATCTACCATAG
 CTTTGTGCAGTGTACCACGAGCTCAAGTTTAGATCGGCTCGATATAGTAGGAGCCTCTCCGCTGAGTTC
 CTGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200207 representing NM_001033957
 Red=Cloning site Green=Tags(s)

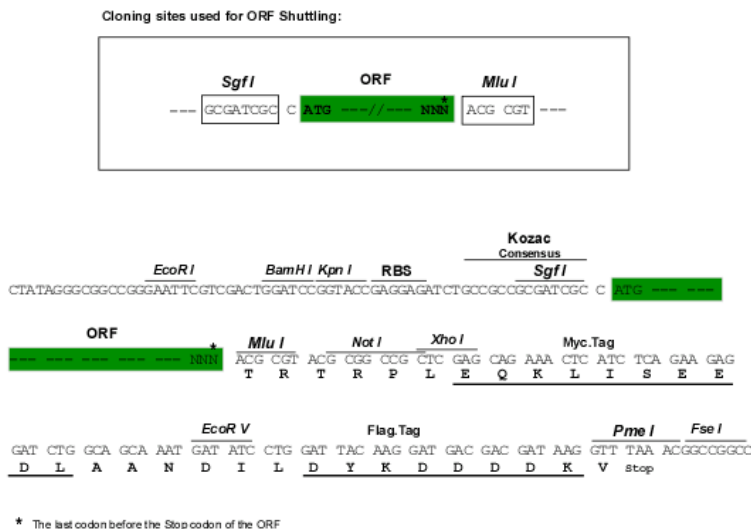
MTFGRGGAASVVLNVGGARYSLSRELLKDFPLRRVSRLHGRSERDVLVCCDDYDRERNEYFFDRHSEAF
 GFILLVYRGHGKLRFAPRMCELSFYNEMIIYWGLEGAHLEYCCQRRLLDDMSDTHTFHAAEELGREQPRPT
 GPEAAPSRRWLERMRRTFEEPTSSLAAILASVSVVFIIVSMVVLCASTLPDWRAAADNRSLDDRSRII
 EAICIGWFTAECIVRFIVSKNKCEFVKRPLNIIDLLAITPYIISVLMVFTGENSQLQRAGVTLRVLMM
 RIFWVIKLARHF IGLQTLGLTLKRCYREVMMLVFICVMAIFALSQLEHGLDLETSSNKDFASIPAAC
 WWVIISMTTVGYGDMYPITVPGRILGGVCVVSIGIVLLALPITFIYHSFVQCYHELKFRSARYSRSLSAEF
 LN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001033957

ORF Size: 1266 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:

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_001033957.1](#), [NP_001029129.1](#)

RefSeq Size: 1553 bp

RefSeq ORF: 1269 bp

Locus ID: 171011

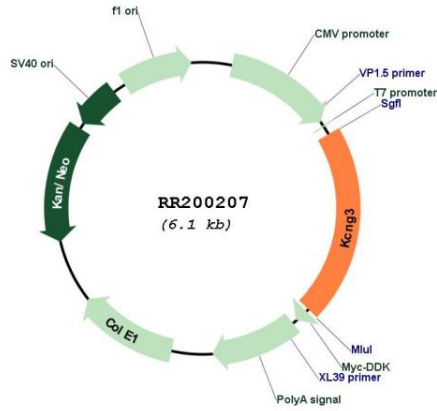
UniProt ID: [Q8R523](#)

Cytogenetics: 6q12

MW: 48.2 kDa

Gene Summary: modulatory subunit of the voltage gated potassium channel [RGD, Feb 2006]

Product images:



Circular map for RR200207