

Product datasheet for **RR200206**

Kcng3 (NM_133426) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcng3 (NM_133426) 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:

>RR200206 representing NM_133426
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCTTCGGGCGGGCGGGCGGCTCGGTGGTGTCTGAACGTGGGCGGCGCCGGTACTCGTGTCCC
 GGGAGCTGCTCAAGGACTTCCCGCTGCGCGTGTGAGCCGGCTGCACGGCTGCCGCTCGGAGCGCGACGT
 GCTCGAGGTGTGCGACGACTACGACCGGGAGCGCAACGAGTACTTCTCGACCGGCACTCGGAGGCTTC
 GGCTTCATCCTGTGTACGTGCGCGGCCACGGGAAGCTGCGCTTCGCGCCGCGGATGTGCGAGCTCCT
 TCTACAACGAGATGATCTACTGGGCGCTGGAGGGCGCGCACCTGGAGTACTGCTGCCAGCGCCGCTAGA
 CGACCGCATGTCCGACACCCACACCTTCCACGCGGAGAGGAGCTGGGCCGCGAGCAGCCTCGTCCCACC
 GGGCCCGAGGCGGCTCCCTCCCGCGCTGGCTGGAGCGCATGCGGCGGACCTTCGAGGAGCCACGTCGT
 CGCTGGCCGCGCAGATCCTGGCCAGCGTGTCCGTGGTGTTCGTGATCGTGTCTATGGTGGTGTGTGCGC
 CAGCACGCTGCCGACTGGCGCGGGCGGCCGACAACCGCAGTCTGGATGACCGGAGCAGGACTCC
 GCCAGCCCTGGGAGGAGCCCTCCGGGATAATTGAAGCTATCTGCATAGGCTGGTTCACCGCGGAGTGCA
 TCGTGGGTTTCATCGTCTCCAAAAACAAGTGTGAGTTTGTCAAGAGACCCTGAACATCATCGACTTACT
 GGCAATCACCCCTATTACATCTCCGTGCTGATGACAGTGTTCACAGCGGAGAACTCTCAACTCCAGAGG
 GCTGGGTCACCCCTGAGGGTCTCCGAATGATGCGGATCTTCTGGGTGATTAAGCTTGCCCGGCACTTCA
 TCGGCCTCGAGACCCTGGGCTTACTCTCAAGCGATGCTACCGAGAGATGGTTATGTTGCTCGTCTTCAT
 CTGTGTTGCTATGGCGATCTTCACTGCACTCTCTCAGCTCCTTGAGCACGGGTTGGACTTGGAGACGTCC
 AACAGGACTTTGCCAGCATCCCGCTGCCTGCTGGTGGGTGATTATCTCTATGACTACAGTGGGCTATG
 GAGACATGTATCCTATCACAGTGCCTGGAAGGATTCTTGGAGGAGTTTGTGTTGTCAGTGGGATCGTTCT
 GTTGGCATTACCTATCACTTTCATCTACCATAGCTTTGTGCAGTGCTACCACGAGCTCAAGTTTAGATCG
 GCTCGATATAGTAGGAGCCTCTCCGCTGAGTTCCTGAAT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200206 representing NM_133426
 Red=Cloning site Green=Tags(s)

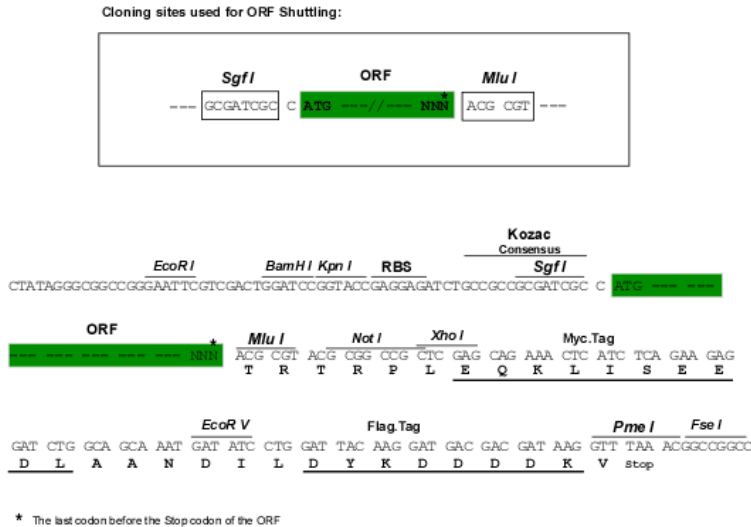
MTFGRGGAASVVLNVGGARYSLRELLKDFPLRRVSRLHGCRSERDVLVCCDDYDRERNEYFFDRHSEAF
 GFILLVYRGHGKLRFAPRMCELSFYNEMIIYWGLEGAHLEYCCQRRLLDDMSDTHTFHAAEELGREQPRPT
 GPEAAPSRRWLERMRRTFEEPTSSLAAILASVSVVFIIVSMVVLCASTLPDWRAAADNRSLDDRSRYS
 ASPGREPSGIIIEAICIGWFATAECIVRFIVSKNKCEVVKRPLNIIDLLAITPYIISVLMVFTGENSQLQR
 AGVTLRVLMMRIFWVIKLRHF IGLQLGLTLKRCYREVMMLLVFICVAMAIIFSALSQLEHGLDLETS
 NKDFASIPAACWWVIISMTTVGYGDMYPITVPGRILGGVCVVSIGIVLLALPITFIYHSFVQCYHELFKRS
 ARYSRSLSAEFLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_133426

ORF Size: 1299 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_133426.2](#), [NP_596917.2](#)

RefSeq Size: 1586 bp

RefSeq ORF: 1302 bp

Locus ID: 171011

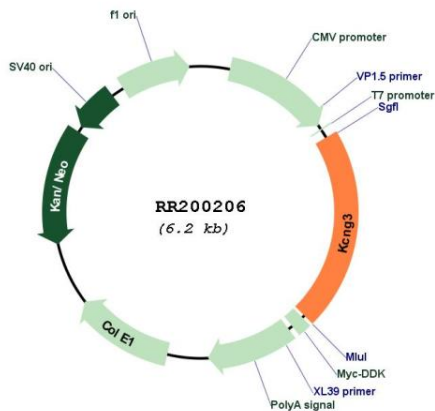
UniProt ID: [Q8R523](#)

Cytogenetics: 6q12

MW: 49.3 kDa

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

Product images:



Circular map for RR200206