

Product datasheet for **RR200034**

Kcnk18 (NM_001134912) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnk18 (NM_001134912) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kcnk18
Synonyms: Tresk-2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200034 representing NM_001134912
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGCTGAGGAGCCACCTGAAGCCAGAAGACGCTGTCCCGAGGCCCTGGGGAAGCCAGCGGATGCT
GCCCTGAGGCCCGGGGAAGCCAGAGGATGCTGTCTGAGGCCCTGGGCAAGCTTCTGCCCGCCCTCTG
CTTCCTTTGCTGCCTGGTAACCTATGCGCTGGTGGTGTCTCTTCTCCGCTGTCGAGGGCCGCCCT
GACCCAGAAGCAGAGGAGAACCCCTGAGTTGAAGAAGTTCTCTGGACAAGCTGTGCAACATCCTGAAATGCA
ACCTGACAGGTTATGGCCACATGTACCCCGTCACCAGGCTGGGTAAGTTCTGTGCATGCTATATGCACT
CTTTGGAATCCCTTAAATGTTTCTGGTCTCACAGACATCGGGGACATCCTGGCCGCATCTTATCTAGG
GCTTACAGCCGGTCCAGGCTCTCCTTTGCCTCCCCGAGATATCTCAAGTGGCGCCCCCTTCTGCTAT
GCCGGAAGCAGACTGACAGCAAACCCGAGATGAAGCCATCCCTCAGATTGTCATTGATGCTGGTGCAGA
CGAGCTCCTAGACCCACAGCCAGCAGGGAGCCTGCATCTCTAGCTGCAATGTGGAGCTGTTTGGAGAGA
TTGGTTGCTCGAGAGAAACAGAACGAGCTACAACCACCCATGCGCCGGTCGAGAGGAGCAACTCGTGTC
CCGAGCTGGTGTGGGGCGGCTGTCTGTCTATTCTTAGCAATCTGGATGAAGTGGCCAGCAAGTGGG
GAGGCTGGACATCCCTCTCCCGTCATCGCGCTGGTTCATCTTCGCGTACATCTCCTGTGCAGCTGCTATC
CTGCCCTTCTGGGAGACCGACCTAGGCTTCGAGGATGCCTTCTACTTCTGCTTTGTGACACTGACACCA
TTGGGTTCCGGGACATCGTGTTAGTGCACCCTCACTTCTCTCTTCTCCATCTACATCATCGTGGG
CATGGAGATCCTGTTTCATCGCCTTCAAACCTGATGCAGAACCGGCTCCTGCACACCTACAAAACCTCATG
CTGTTTGTGGCCAAAGAGAGGTTTCGCTACCTTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR200034 representing NM_001134912
 Red=Cloning site Green=Tags(s)

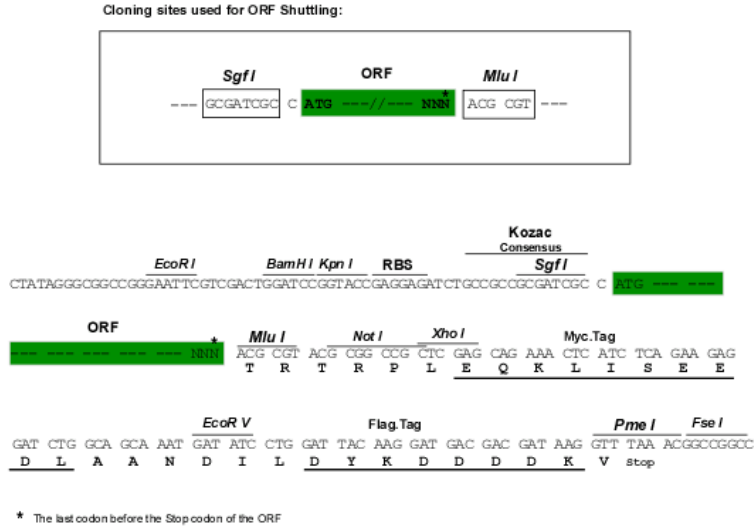
MEAEPPPEARRRCPALGKASGCCPEAPGKARGCCPEALGKLLPGLCFLCCLVTYALVGAALFSAVEGRP
 DPEAEENPELKKFLDKLCNLIKCNLTGYGHMYPVTRLGKFLCMLYALFGIPLMFLVLTDIGDILAAILSR
 AYSRFQALLCLPRDISKWRPLLLCRKQTDSPADEAIPQIVIDAGADELLDPQPSREPASPCSNVELFER
 LVAREKQNELQPPMRPVERSNSCEPELVGRLSCSILSNLDEVGQQVERLDIPLPVIALVIFAYISCAAII
 LPFWETDLGFEDAFYFCFVTLTTIGFGDILVHPHFLLFFSIYIIVGMEILFIAFKLMQNRLHTYKTLML
 LFVCQREVSLPC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

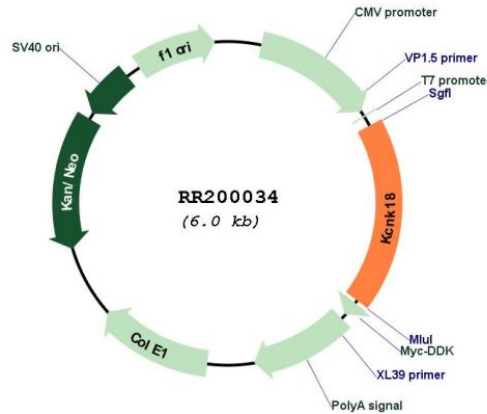
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134912

| | |
|-------------------------------|---|
| ORF Size: | 1086 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_001134912.1 , NP_001128384.1 |
| RefSeq Size: | 1200 bp |
| RefSeq ORF: | 1089 bp |
| Locus ID: | 445371 |
| Cytogenetics: | 1q55 |
| MW: | 40.3 kDa |
| Gene Summary: | mouse homolog induces a time-independent, noninactivating K ⁺ current [RGD, Feb 2006] |