

Product datasheet for **RR200035**

Kcnk18 (NM_001003820) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnk18 (NM_001003820) 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: >RR200035 representing NM_001003820
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGCTGAGGAGCCACCTGAAGCCAGAAGACGCTGTCCCGAGGCCCTGGGGAAGCCAGCGGATGCT
GCCCTGAGGCCCGGGGAAGCCAGAGGATGCTGTCTGAGGCCCTGGGCAAGCTTCTGCCCGCCTCTG
CTTCTTTGCTGCCTGGTAACCTATGCGCTGGTGGGTGCTGCTCTTTCTCCGCTGTCGAGGGCCGCCCT
GACCCAGAAGCAGAGGAGAACCCTGAGTTGAAGAAGTTCCTGGACAAGCTGTGCAACATCCTGAAATGCA
ACCTGACAGTGGTTGAAGGTAGCAGGAAAGACCTGTGTGAGCATCTACAGCAGCTCAAGCCCCAGTGGTT
CAAGGCGCCTGAGGACTGGTCTTCTTGTGCTCTTTTCTTCTGCTGCACAGTGTTCAGCACAGTGGGT
TATGGCCACATGTACCCCGTCACCAGGCTGGGTAAGTTCCTGTGCATGCTATATGCACTCTTTGGAATCC
CTTTAATGTTCTGGTCTCACAGACATCGGGGACATCCTGGCCGCATCTTATCTAGGGCTTACAGCCG
GTTCCAGGCTCTCTTTGCTCCCCGAGATATCTCCAAGTGGCGCCCCCTTCTGCTATGCCGGAAGCAG
ACTGACAGCAAACCCGCAGATGAAGCCATCCCTCAGATTGTCATTGATGCTGGTGCAGACGAGCTCCTAG
ACCCACAGCCAGCAGGGAGCCTGCATCTCCTAGCTGCAATGTGGAGCTGTTTGAGAGATTGGTTGCTCG
AGAGAAAACAGAACGAGCTACAACCACCCATGCGGCCGGTTCGAGAGGAGCAACTCGTGTCCCGAGCTGGT
CTGGGGCGGCTGTCTGTCTATTCTTAGCAATCTGGATGAAGTGGGCCAGCAAGTGGAGAGGCTGGACA
TCCCTCTCCCCGTATCGCGCTGGTCTTCTCGGTACATCTCCTGTGCAGCTGCTATCCTGCCCTTCTG
GGAGACCGACCTAGGCTTCGAGGATGCCTTCTACTTCTGCTTTGTGACACTGACCACCATTTGGTTCCGG
GACATCGTGTAGTGCACCCTCACTTCTTCTCTTCTTCTCCATCTACATCATCGTGGGCATGGAGATCC
TGTTTCATCGCCTTCAAACCTGATGCAGAACCGGCTCCTGCACACCTACAAAACCTCATGCTGTTTGTG
CCAAAGAGAGGTTTCGCTACCTTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200035 representing NM_001003820
Red=Cloning site Green=Tags(s)

MEAEPPPEARRRCPALGKASGCCPEAPGKARGCCPEALGKLLPGLCFLCCLVTYALVGAALFSAVEGRP
 DPEAEENPELKKFLDKLKNILKCNLTVVEGSRKDLCEHLQQLKPQWFKAPEDWSFLSALFFCCTVFSTVG
 YGHMYPVTRLGKFLCMLYALFGIPLMFLVLTIDIGILAAILSRAYSRFQALLCLPRDISKWRPLLLCRKQ
 TDSKPADEAIPQIVIDAGADELLDPQPSREPASPSCNVELFERLVAREKQNELQPPMRPVERSNSCPCLV
 LGRLSCSILSNLDEVGQQVERLDIPLPVIALVIFAYISCAAAILPFWETDLGFEDAFYFCFVTLTTIGFG
 DIVLVHPHFLLFFSIYIIVGMEILFIAFKLMQNRLHLHTYKTLMLFVCQREVSLPC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

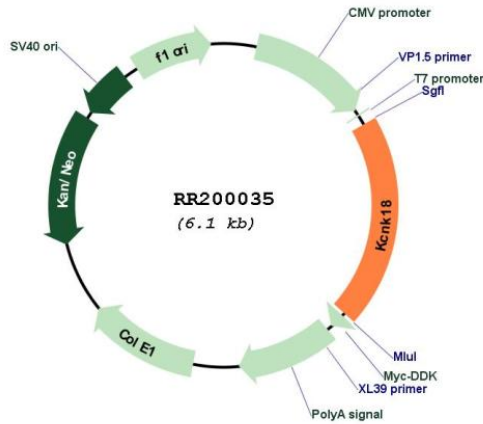
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001003820

ORF Size:	1215 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_001003820.1 , NP_001003820.1
RefSeq Size:	1218 bp
RefSeq ORF:	1218 bp
Locus ID:	445371
UniProt ID:	Q6Q1P3
Cytogenetics:	1q55
MW:	45.4 kDa
Gene Summary:	mouse homolog induces a time-independent, noninactivating K ⁺ current [RGD, Feb 2006]