

## Product datasheet for **RN200035**

### **Kcnk18 (NM\_001003820) Rat Untagged Clone**

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Kcnk18 (NM_001003820) Rat Untagged Clone   |
| Tag:                      | Tag Free   |
| Symbol:                   | Kcnk18   |
| Synonyms:                 | Tresk-2  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >RN200035 representing NM_001003820<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCTGAGGAGCCACCTGAAGCCAGAAGACGCTGTCCCGAGGCCCTGGGGAAGCCAGCGGATGCT  
GCCCTGAGGCCCGGGGAAGCCAGAGGATGCTGTCTGAGGCCCTGGGCAAGCTTCTGCCCGCCTCTG  
CTTCTTTGCTGCCTGGTAACTATGCGCTGGTGGGTGCTGCTCTTTCTCCGCTGTCGAGGGCCGCCCT  
GACCCAGAAGCAGAGGAGAACCCTGAGTTGAAGAAGTTCTGGACAAGCTGTGCAACATCCTGAAATGCA  
ACCTGACAGTGGTTGAAGGTAGCAGGAAAGACCTGTGTGAGCATCTACAGCAGCTCAAGCCCCAGTGGTT  
CAAGGCGCCTGAGGACTGGTCCTTCTTGTAGTGCTTTTTCTTCTGCTGCACAGTGTTCAGCACAGTGGGT  
TATGGCCACATGTACCCCGTCACCAAGGCTGGGTAAATTCTGTGCATGCTATATGCACTCTTTGGAATCC  
CTTTAATGTTCTTGGTCTCACAGACATCGGGGACATCCTGGCCGCCATCTTATCTAGGGCTTACAGCCG  
GTTCCAGGCTCTCCTTTGCCTCCCCGAGATATCTCCAAGTGGCGCCCCCTTCTGCTATGCCGGAAGCAG  
ACTGACAGCAAACCCGCAGATGAAGCCATCCCTCAGATTGTCATTGATGCTGGTGCAGACGAGCTCCTAG  
ACCCACAGCCCAGCAGGGAGCCTGCATCTCCTAGTGAATGTGGAGCTGTTGAGAGATTGGTTGCTCG  
AGAGAAACAGAACGAGCTACAACCACCCATCGGCGCGTCGAGAGGAGCAACTCGTGTCCCGAGCTGGT  
CTGGGGCGGCTGCTCTTCTATTCTTAGCAATCTGGATGAAGTGGCCAGCAAGTGGAGAGGCTGGACA  
TCCCTCTCCCCGTCATCGCGCTGGTCTCTTCCGGTACATCTCCTGTGCAGCTGCTATCCTGCCCTTCTG  
GGAGACCACCTAGGCTTCGAGGATGCCTTCTACTTCTGCTTTGTGACTGACCACATTGGGTTCCGGG  
GACATCGTGTAGTGACCCCTCACTTCTTCTTCTTCTCCATCTACATCATCGTGGGCATGGAGATCC  
TGTTTCATCGCCTTCAAAGTATGCAGAACCGGCTCCTGCACACCTACAAAACCTCATGCTGTTGTTT  
CCAAGAGAGGTTTCGCTACCTTGCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                               |   |
|-------------------------------|---|
| <b>Chromatograms:</b>         | <a href="https://cdn.origene.com/chromatograms/ja1499_a04.zip">https://cdn.origene.com/chromatograms/ja1499_a04.zip</a>   |
| <b>Restriction Sites:</b>     | Sgfl-Mlul   |
| <b>ACCN:</b>                  | NM_001003820  |
| <b>Insert Size:</b>           | 1218 bp   |
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_001003820.1</a> , <a href="#">NP_001003820.1</a>   |
| <b>RefSeq Size:</b>           | 1218 bp   |
| <b>RefSeq ORF:</b>            | 1218 bp   |
| <b>Locus ID:</b>              | 445371  |
| <b>UniProt ID:</b>            | <a href="#">Q6Q1P3</a>  |
| <b>Cytogenetics:</b>          | 1q55  |
| <b>Gene Summary:</b>          | mouse homolog induces a time-independent, noninactivating K <sup>+</sup> current [RGD, Feb 2006]  |