

Product datasheet for **RN216816**

Kcna10 (NM_001191713) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcna10 (NM_001191713) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kcna10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216816 representing NM_001191713
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATGTGTGTAGCTGGAGAGAAATGGAAGTTGCTCTGGTCAATTTTGATAACTCAGATGAAATCCATG
 AAGAGCCAGGCTATGCCACAGACTTTGACCCAACCAGCTCAAAGGCCGACCTGGTAGCAGTCCTTTTTC
 CAACTGGAAAGTCCTTATCAGTGATAATATCAGCCATGAAACTGCCTTCTCCAAGATCCCAGGAGAGTAT
 GTGGATCCCCAGGGTCTGAGCCAGTGGTCTTGAATGAGGGAAACCAAAGGGTCATCATCAACATTGCTG
 GGCTGAGGTTTGAGACTCAGCTCAGAACTCTCAATCAATCCCAGAGACTCTTGGGAGACCGGGAGAA
 AAGGATGCAATTTTTGACTCCATGAGAAATGAGTATTTCTTTGATAGAAACAGACCTAGTTTTGATGGA
 ATCTTATATTATTACCAGTCTGGTGGGAAATACGGCGGCCAGCCAATGTGCCTATTGATGTTTTCGCTG
 ATGAGATCTTTCTATGAACTGGTAGCGAGGCCATGGACCAGTCCGGGAGGATGAAGGCTTCATTAA
 GGACCCTGAAACTGCTGCCACCAATGACTTTCACCGCAATTCTGGCTTCTCTCGAGTACCCTGAG
 AGCTCCAGTGCAGCTCGAGGTGTGGCTGTGGTCTCGGTTTTGGTTGTAGTCATCTCCATCACCATCTTCT
 GCCTGGAGACTCCCGGAGTCCGAGAGGACAGGGAGCTGAAGGTGGTCAGAGACCCCACCATCAATAC
 AAACAAAACAGGCCTCTCCCAGACCATGTTCACTGATCCTTTCTTCATGGTGGAGTCCACCTGCATTGTG
 TGGTTCACCTTTGAGCTGGTGTCCGGTTTGTGGTCTGCCCCAGCAAGCCTGACTTCTTCAAGAACATCA
 TGAACATCATCGACATCATCTCCATCATCCCCTACTTTGCGACCCTATAACAGAGCTAGTACAGGAGAC
 CGAGCCAAGCGCCAGCAGAATATGTCCCTCGCCATCTGAGGATCATCCGTCTGGTGGGGTCTTCCGC
 ATCTTCAAGCTCTCCCGACTCTAAAGGGCTGCAAATCCTGGGGCAGACGCTGAAGGCTTCCATGAGGG
 AGCTGGGGCTACTCATCTTCTCTCTCATTGGGGTCATTCTTTTCTCCAGTGCAGTCTACTTTGCTGA
 AGTGGATGAGCCAGAGTCCCATTTCTCTAGCATTCTGATGGCTTCTGGTGGGCTGTGGTACCATGACA
 ACTGTAGGCTATGGTGCATGTGCCCGACCACCCAGGAGGAAGATTGTGGGTACACTGTGTGCCATTG
 CCGGTGTCCTCACTATTGCCCTCCCTGTGCCTGTCTCATTGTCTCCAATTTCAACTACTTCTACCACCGTGA
 GACTGAGAATGAGGAGAAGCCAAACATCCCAGGAGAAGTTCACAAAATCCTCAACAGCATGGGTTCCAGA
 ACGGGGAGCACTGAGTCTTAAACAAGACCAATAGCAGCCGTTCTGCAGAGAAGTCCAGGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001191713
- Insert Size:** 1536 bp
- OTI Disclaimer:** 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001191713.1](#), [NP_001178642.1](#)

RefSeq Size: 1755 bp

RefSeq ORF: 1536 bp

Locus ID: 295360

Cytogenetics: 2q34