

## Product datasheet for **RR216816**

### **Kcna10 (NM\_001191713) Rat Tagged ORF Clone**

#### **Product data:**

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



[View online »](#)

**ORF Nucleotide Sequence:**

>RR216816 representing NM\_001191713  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGTGTGTAGCTGGAGAGAAATGGAAGTTGCTCTGGTCAATTTTGATAACTCAGATGAAATCCATG  
 AAGAGCCAGGCTATGCCACAGACTTTGACCAACCAGCTCAAAGGCCGACCTGGTAGCAGTCCTTTTTTC  
 CAACTGGAAAGTCCTTATCAGTGATAATATCAGCCATGAAACTGCCTTCTCCAAGATCCCAGGAGAGTAT  
 GTGGATCCCCAGGGTCTGAGCCAGTGGTCTTGAATGAGGGAAACCAAAGGGTCATCATCAACATTGCTG  
 GGCTGAGGTTTGAGACTCAGCTCAGAACTCTCAATCAATCCCAGAGACTCTTGGGAGACCGGGAGAA  
 AAGGATGCAATTTTTGACTCCATGAGAAATGAGTATTTCTTTGATAGAAAACAGACCTAGTTTTGATGGA  
 ATCTTATATTATTACCAGTCTGGTGGGAAATACGGCGGCCAGCCAATGTGCTATTGATGTTTTCGCTG  
 ATGAGATCTTTCTATGAACTGGTAGCGAGGCCATGGACCAGTCCGGGAGGATGAAGGCTTCATTAA  
 GGACCCTGAAACTGCTGCCACCAATGACTTTCACCGCAATTCTGGCTTCTCTCGAGTACCCTGAG  
 AGCTCCAGTGCAGCTCGAGGTGTGGCTGTGGTCTCGGTTTTGGTTGTAGTCATCTCCATCACCATCTTCT  
 GCCTGGAGACTCCCGAGTCCGAGAGGACAGGGAGCTGAAGTGGTCAGAGACCCACCATCAATAC  
 AAACAAAACAGGCCTCTCCCAGACCATGTTCACTGATCCTTTCTTCATGGTGGAGTCCACCTGCATTGTG  
 TGGTTCACCTTTGAGCTGGTGTCCGGTTTGTGGTCTGCCCCAGCAAGCCTGACTTCTTCAAGAATCA  
 TGAACATCATCGACATCATCTCCATCATCCCCTACTTTGCGACCCCTATAACAGAGCTAGTACAGGAGAC  
 CGAGCCAAGCGCCAGCAGAATATGTCCCTCGCCATCTGAGGATCATCCGTCTGGTGGGGTCTCCCGC  
 ATCTTCAAGCTCTCCCGACTCTAAAGGGCTGCAAATCCTGGGGCAGACGCTGAAGGCTTCCATGAGGG  
 AGCTGGGGTACTCATCTTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT  
 AGTGGATGAGCCAGAGTCCCATTTCTCTAGCATTCTGATGGCTTCTGGTGGGCTGTGGTACCATTGACA  
 ACTGTAGGCTATGGTGCATGTGCCGACCACCCAGGAGGAAGATTGTGGGTACACTGTGTGCCATTG  
 CCGGTGCTCTACTATTGCCCTCCCTGTGCTGCTCATTGTCTCCAATTTCAACTACTTCTACCACCGTGA  
 GACTGAGAATGAGGAGAAGCCAAACATCCCAGGAGAACTGACAAAATCCTCAACAGCATGGGTTCCAGA  
 ACGGGGAGCACTGAGTCTTAAACAAGACCAATAGCAGCCGTTCTGCAGAGAAGTCCAGGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216816 representing NM\_001191713  
 Red=Cloning site Green=Tags(s)

MDVCSWREMEVALVNFNSDEIHEEPGYATDFDPTSSKGRPGSSPFSNWKVLISDNISHETAFSKIPGEY  
 VDPPGSEPVVLEGNQRVIINIAGLRFETQLRTLNOFPETLLGDREKRMQFFDSMRNEYFFDRNRPSFDG  
 ILYYYQSGGKIRRPANVPIDVFADEISFYELGSEAMDQFREDEGF IKDPETLLPTNDFHRQFWLLFEYPE  
 SSSAARGVAVVSVLVVISITIFCLETLPEFREDRELKVVVDPTINTNKTGLSQTMTDPPFFMVESTCIV  
 WFTFELVLRVVCPSKPDFFKNIMNIIDIISIIPYFATLITELVQETEPSAQNMSLAILRIIRLVRFV  
 IFKLSRHSKGLQILGQTLKASMRELGLLIFFLFIGVILFSSAVYFAEVDEPESESHFSSIPDGFVAVVMT  
 TVGYGDMCPTTPGGKIVGTLCAIAGVLTIALPVPVIVSNFNFYHRETENEKPNIPGELDKILNSMGS  
 TGSTESLNKTNSSRSAEKSrk

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**ACCN:** NM\_001191713

**ORF Size:** 1533 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\\_001191713.1](#), [NP\\_001178642.1](#)
**RefSeq Size:** 1755 bp

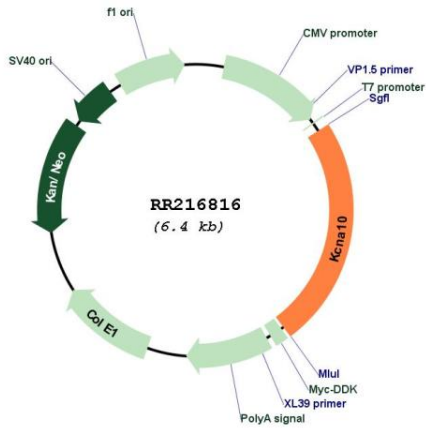
**RefSeq ORF:** 1536 bp

**Locus ID:** 295360

**Cytogenetics:** 2q34

**MW:** 58 kDa

Product images:



Circular map for RR216816