

Product datasheet for RC212920L1

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc.

KCNK18 (NM_181840) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: KCNK18 (NM_181840) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: KCNK18

Synonyms: K2p18.1; MGR13; TRESK; TRESK-2; TRESK2; TRIK

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC212920).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_181840

ORF Size: 1152 bp





KCNK18 (NM_181840) Human Tagged Lenti ORF Clone - RC212920L1

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: <u>NM 181840.1</u>, <u>NP 862823.1</u>

 RefSeq Size:
 1155 bp

 RefSeq ORF:
 1155 bp

 Locus ID:
 338567

 UniProt ID:
 Q7Z418

 Cytogenetics:
 10q25.3

Protein Families: Ion Channels: Potassium, Transmembrane

MW: 43.5 kDa

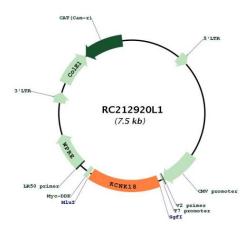
Gene Summary: Potassium channels play a role in many cellular processes including maintenance of the

action potential, muscle contraction, hormone secretion, osmotic regulation, and ion flow. This gene encodes a member of the superfamily of potassium channel proteins containing two pore-forming P domains and the encoded protein functions as an outward rectifying potassium channel. A mutation in this gene has been found to be associated with migraine

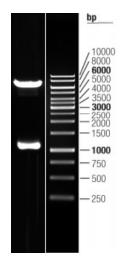
with aura.[provided by RefSeq, Jan 2011]



Product images:



Circular map for RC212920L1



Double digestion of RC212920L1 using Sgfl and Miul