

Product datasheet for RC225985L3

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US

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

KCNC1 (NM_001112741) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: KCNC1 (NM_001112741) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: KCNC1

Synonyms: EPM7; KV3.1; KV4; NGK2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

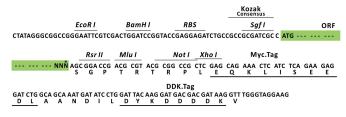
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC225985).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





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

ACCN: NM_001112741

ORF Size: 1755 bp





KCNC1 (NM_001112741) Human Tagged Lenti ORF Clone - RC225985L3

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 001112741.1</u>

RefSeq ORF: 1758 bp **Locus ID:** 3746

 UniProt ID:
 P48547

 Cytogenetics:
 11p15.1

Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

MW: 65.7 kDa

Gene Summary: This gene encodes a member of a family of integral membrane proteins that mediate the

voltage-dependent potassium ion permeability of excitable membranes. Alternative splicing is thought to result in two transcript variants encoding isoforms that differ at their C-termini. These isoforms have had conflicting names in the literature: the longer isoform has been called both "b" and "alpha", while the shorter isoform has been called both "a" and "beta"

(PMIDs 1432046, 12091563). [provided by RefSeq, Oct 2014]