

## OriGene Technologies, Inc.

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## Product datasheet for RC215716L1V

## KCNC1 (NM\_004976) Human Tagged ORF Clone Lentiviral Particle

## **Product data:**

| Product Name:KCNC1 (NM_004976) Human Tagged ORF Clone Lentiviral ParticleSymbol:KCNC1Symonyms:EPM7; KV3.1; KV4; NGK2Mammalian CellNoneVector:petnf-C-Myc-DDK (PS100064)Tag:Myc-DDKACCN:NN_004976ORF Size:1533 bpORF NucleotideThe oRF insert of this clone is exactly the same as(RC215716).Sequence:The molecular sequence of this clone aligns with the gene accession number as a point of 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 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 infoOTI Annotation:Nulo 04976.2RefSeq:Nulo 04976.1RefSeq Size:1602 bpIcous ID:3746Icous ID:48547Icous ID:10151.1Improve ID:10151.1Improve ID:10151.1Improve ID:50.8 bpImprove ID:10151.1Improve ID:10151.1Improve ID:10151.1Improve ID:10151.1Improve ID:50.8 bpImprove ID:10151.1Improve ID:10151.1Improve ID:10151.1Improve ID:10151.1Improve ID:10151.1Improve ID:10151.1Improve ID:10151.1Improv | Product Type:     | Lentiviral Particles  |
|---|-------------------|---|
| Synonyms:EPM7; KV3.1; KV4; NGK2Mammalian Cell<br>Selection:NoneVector:pLenti-C-Myc-DDK (PS100064)Tag:Myc-DDKACCN:NM_004976ORF Size:1533 bpORF Nucleotide<br>Sequence:The oRF insert of this clone is exactly the same as(RC215716).OTI Disclaimer:The molecular sequence of this clone aligns with the gene accession number as a point of<br>reference only. However, individual transcript sequences of the same gene can differ through<br>naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This<br>clone is substantially in agreement with the reference, but a complete review of all prevailing<br>variants is recommended prior to use. More infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression<br>variates depending on the nature of the gene.RefSeq:NM 004976.2RefSeq ORF:1536 bpLocus ID:2746UniProt ID:48547Cytogenetics:11p15.1Protein Families:Druggable Genome, Ion Channels: Potassium, Transmembrane  | Product Name:     | KCNC1 (NM_004976) Human Tagged ORF Clone Lentiviral Particle  |
| Mammalian Cell<br>Selection:NoneVector:pLenti-C-Myc-DDK (PS100064)Tag:Myc-DDKACCN:NM_004976ORF Size:1533 bpORF Nucleotide<br>Sequence:The ORF insert of this clone is exactly the same as(RC215716).OTI Disclaimer:The molecular sequence of this clone aligns with the gene accession number as a point of<br>reference only. However, individual transcript sequences of the same gene can differ through<br>naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This<br>clone is substantially in agreement with the reference, but a complete review of all prevailing<br>variants is recommended prior to use. More infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression<br>variate depending on the nature of the gene.RefSeqNM 004976.2RefSeq ORF:1536 bpLocus ID:3746UniProt ID:P48547Cytogenetics:11p15.1Protein Families:Druggable Genome, Ion Channels: Potassium, Transmembrane  | Symbol:           | KCNC1   |
| Selection:Vector:pLenti-C-Myc-DDK (P5100064)Tag:Myc-DDKACCN:NM_004976ORF Size:1533 bpORF Nucleotidereserved for this clone is exactly the same as(RC215716).Sequence: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 infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.RefSeq Size:1602 bpRefSeq ORF:1536 bpLocus ID:3746UniProt ID:P48547Ottogenetics:11p15.1Protein Families:Druggable Genome, Ion Channels: Potassium, Transmembrane  | Synonyms:         | EPM7; KV3.1; KV4; NGK2  |
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| RefSeq ORF:1536 bpLocus ID:3746UniProt ID:P48547Cytogenetics:11p15.1Protein Families:Druggable Genome, Ion Channels: Potassium, Transmembrane   | RefSeq:           | <u>NM 004976.2</u>  |
| Locus ID:3746UniProt ID:P48547Cytogenetics:11p15.1Protein Families:Druggable Genome, Ion Channels: Potassium, Transmembrane   | RefSeq Size:      | 1602 bp   |
| UniProt ID:P48547Cytogenetics:11p15.1Protein Families:Druggable Genome, Ion Channels: Potassium, Transmembrane  | RefSeq ORF:       | 1536 bp   |
| Cytogenetics: 11p15.1   Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane  | Locus ID:         | 3746  |
| Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane  | UniProt ID:       | <u>P48547</u>   |
|   | Cytogenetics:     | 11p15.1   |
| <b>MW:</b> 57.8 kDa   | Protein Families: | Druggable Genome, Ion Channels: Potassium, Transmembrane  |
|   | MW:               | 57.8 kDa  |



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Gene Summary:This gene encodes a member of a family of integral membrane proteins that mediate the<br/>voltage-dependent potassium ion permeability of excitable membranes. Alternative splicing is<br/>thought to result in two transcript variants encoding isoforms that differ at their C-termini.<br/>These isoforms have had conflicting names in the literature: the longer isoform has been<br/>called both "b" and "alpha", while the shorter isoform has been called both "a" and "beta"<br/>(PMIDs 1432046, 12091563). [provided by RefSeq, Oct 2014]

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