

Product datasheet for RC213846L1

KCNK4 (NM_033310) Human Tagged Lenti ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | KCNK4 (NM_033310) Human Tagged Lenti ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | KCNK4 |
| Synonyms: | FHEIG; K2p4.1; TRAAK; TRAAK1 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-Myc-DDK (PS100064) |
| E. coli Selection: | Chloramphenicol (34 ug/mL) |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC213846). |
| Restriction Sites: | SgfI-MluI |
| Cloning Scheme: | |

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

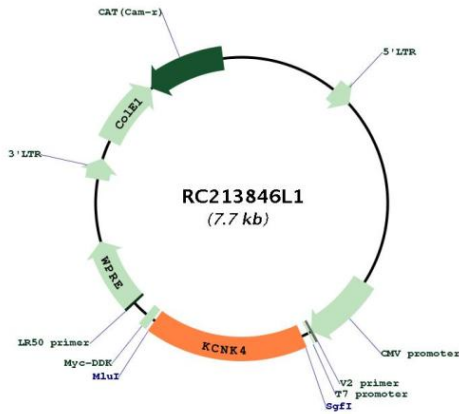
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| ACCN: | NM_033310 |
| ORF Size: | 1296 bp |



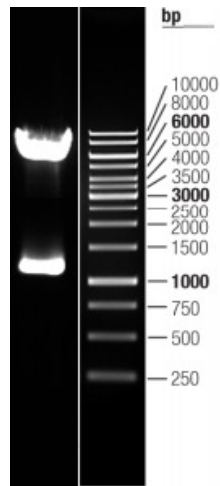
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| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), 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: | <ol style="list-style-type: none">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_033310.1 |
| RefSeq Size: | 1702 bp |
| RefSeq ORF: | 1182 bp |
| Locus ID: | 50801 |
| UniProt ID: | Q9NYG8 |
| Cytogenetics: | 11q13.1 |
| Protein Families: | Druggable Genome, Ion Channels: Potassium, Transmembrane |
| MW: | 42.5 kDa |
| Gene Summary: | This gene encodes a member of the TWIK-related arachidonic acid-stimulated two pore potassium channel subfamily. The encoded protein homodimerizes and functions as an outwardly rectifying channel. This channel is regulated by polyunsaturated fatty acids, temperature and mechanical deformation of the lipid membrane. This protein is expressed primarily in neural tissues and may be involved in regulating the noxious input threshold in dorsal root ganglia neurons. Alternate splicing results in multiple transcript variants. Naturally occurring read-through transcripts also exist between this gene and the downstream testis expressed 40 (TEX40) gene, as represented in GeneID: 106780802. [provided by RefSeq, Nov 2015] |

Product images:



Circular map for RC213846L1



Double digestion of RC213846L1 using SgfI and MluI