

Product datasheet for **RC222775L4V**

KCNK10 (NM_021161) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | KCNK10 (NM_021161) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | KCNK10 |
| Synonyms: | K2p10.1; PPP1R97; TREK-2; TREK2 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_021161 |
| ORF Size: | 1614 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC222775). |
| 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. |
| RefSeq: | NM_021161.3 |
| RefSeq Size: | 2710 bp |
| RefSeq ORF: | 1617 bp |
| Locus ID: | 54207 |
| UniProt ID: | P57789 |
| Cytogenetics: | 14q31.3 |
| Protein Families: | Druggable Genome, Ion Channels: Potassium, Transmembrane |
| MW: | 59.6 kDa |



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Gene Summary:

The protein encoded by this gene belongs to the family of potassium channel proteins containing two pore-forming P domains. This channel is an open rectifier which primarily passes outward current under physiological K⁺ concentrations, and is stimulated strongly by arachidonic acid and to a lesser degree by membrane stretching, intracellular acidification, and general anaesthetics. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Sep 2008]