

## **Product datasheet for MR215743L3**

## Kcns3 (NM\_173417) Mouse Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Kcns3 (NM\_173417) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Kcns3

Synonyms: D12Ertd137e

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(MR215743).

Sgfl-Mlul

Sequence:

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Restriction Sites: Cloning Scheme:





 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

**ACCN:** NM\_173417

ORF Size: 1473 bp



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## Kcns3 (NM\_173417) Mouse Tagged Lenti ORF Clone - MR215743L3

**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 173417.3</u>, <u>NP 775593.1</u>

 RefSeq Size:
 2933 bp

 RefSeq ORF:
 1476 bp

 Locus ID:
 238076

 UniProt ID:
 Q8BQZ8

 Cytogenetics:
 12 5.58 cM

**Gene Summary:** Potassium channel subunit that does not form functional channels by itself. Can form

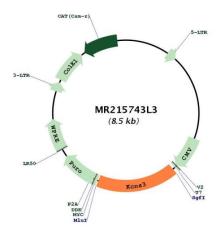
functional heterotetrameric channels with KCNB1; modulates the delayed rectifier voltagegated potassium channel activation and deactivation rates of KCNB1. Heterotetrameric channel activity formed with KCNB1 show increased current amplitude with the threshold for

action potential activation shifted towards more negative values in hypoxic-treated

pulmonary artery smooth muscle cells.[UniProtKB/Swiss-Prot Function]



## **Product images:**



Circular map for MR215743L3