

## **Product datasheet for RC213514L4**

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OriGene Technologies, Inc.

### KCNAB3 (NM\_004732) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: KCNAB3 (NM\_004732) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: KCNAB3

Synonyms: AKR6A9; KCNA3.1B; KCNA3B; KV-BETA-3

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

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

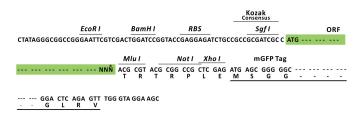
**ORF Nucleotide** The ORF insert of this clone is exactly the same as(RC213514).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_004732

ORF Size: 1212 bp





### KCNAB3 (NM\_004732) Human Tagged Lenti ORF Clone - RC213514L4

**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 004732.2</u>, <u>NP 004723.2</u>

 RefSeq Size:
 2458 bp

 RefSeq ORF:
 1215 bp

 Locus ID:
 9196

 UniProt ID:
 043448

Cytogenetics: 17p13.1

Protein Families: Druggable Genome, Ion Channels: Other

**MW:** 43.7 kDa

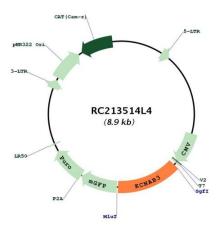
**Gene Summary:** This gene encodes a member of the potassium channel, voltage-gated, shaker-related

subfamily. The encoded protein is one of the beta subunits, which are auxiliary proteins associating with functional Kv-alpha subunits. The encoded protein forms a heterodimer with the potassium voltage-gated channel, shaker-related subfamily, member 5 gene product and

regulates the activity of the alpha subunit. [provided by RefSeq, May 2012]



# **Product images:**



Circular map for RC213514L4