

## Product datasheet for RC214163L4

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Leukotriene B4 Receptor 2 (LTB4R2) (NM\_019839) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Leukotriene B4 Receptor 2 (LTB4R2) (NM 019839) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Leukotriene B4 Receptor 2

Synonyms: BLT2; BLTR2; JULF2; KPG\_004; LTB4-R 2; LTB4-R2; NOP9

Mammalian Cell

Selection:

Puromycin

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(RC214163).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_019839

ORF Size: 1167 bp



#### Leukotriene B4 Receptor 2 (LTB4R2) (NM\_019839) Human Tagged Lenti ORF Clone - RC214163L4

**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 019839.1</u>

 RefSeq Size:
 2799 bp

 RefSeq ORF:
 1077 bp

 Locus ID:
 56413

 UniProt ID:
 Q9NPC1

Cytogenetics:

**Protein Families:** Druggable Genome, GPCR, Transmembrane

14q12

**Protein Pathways:** Calcium signaling pathway, Neuroactive ligand-receptor interaction

**MW:** 41.5 kDa

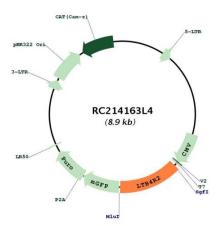
**Gene Summary:** Low-affinity receptor for leukotrienes including leukotriene B4. Mediates chemotaxis of

granulocytes and macrophages. The response is mediated via G-proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinities for the

leukotrienes is LTB4 > 12-epi-LTB4 > LTB5 > LTB3.[UniProtKB/Swiss-Prot Function]



# **Product images:**



Circular map for RC214163L4