

Product datasheet for RC209916L4

OriGene Technologies, Inc.

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FAM134B (RETREG1) (NM_019000) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FAM134B (RETREG1) (NM 019000) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: RETREG1

Synonyms: FAM134B; JK-1; JK1

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(RC209916).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_019000

ORF Size: 1068 bp





FAM134B (RETREG1) (NM_019000) Human Tagged Lenti ORF Clone - RC209916L4

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 019000.3</u>

 RefSeq Size:
 3184 bp

 RefSeq ORF:
 1071 bp

 Locus ID:
 54463

 UniProt ID:
 Q9H6L5

 Cytogenetics:
 5p15.1

Protein Families: Transmembrane

MW: 39.3 kDa

Gene Summary: The protein encoded by this gene is a cis-Golgi transmembrane protein that may be

necessary for the long-term survival of nociceptive and autonomic ganglion neurons.

Mutations in this gene are a cause of hereditary sensory and autonomic neuropathy type IIB

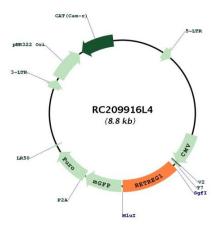
(HSAN IIB), and this gene may also play a role in susceptibility to vascular dementia.

Alternatively spliced transcript variants encoding multiple isoforms have been observed for

this gene. [provided by RefSeq, Nov 2011]



Product images:



Circular map for RC209916L4