

## Product datasheet for RC215216L4

#### OriGene Technologies, Inc.

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# Ephrin A4 (EFNA4) (NM\_182689) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Ephrin A4 (EFNA4) (NM\_182689) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Ephrin A4

Synonyms: EFL4; EPLG4; LERK4

Mammalian Cell Pure

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(RC215216).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 



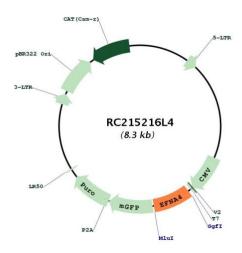


 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.





#### Plasmid Map:



**ACCN:** NM\_182689

ORF Size: 621 bp

**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 182689.1</u>

**RefSeq Size:** 1110 bp **RefSeq ORF:** 624 bp



### Ephrin A4 (EFNA4) (NM\_182689) Human Tagged Lenti ORF Clone - RC215216L4

 Locus ID:
 1945

 UniProt ID:
 P52798

 Cytogenetics:
 1q21.3

Protein Families: Secreted Protein
Protein Pathways: Axon guidance

MW: 22.4 kDa

Gene Summary: This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related

receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in

erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into

the ephrin-A (EFNA) class, which are anchored to the membrane by a

glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are

transmembrane proteins. This gene encodes an EFNA class ephrin. Three transcript variants

that encode distinct proteins have been identified. [provided by RefSeq, Jul 2008]