

## **Product datasheet for RC222421L4**

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OriGene Technologies, Inc.

### FGFR4 (NM\_213647) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** FGFR4 (NM\_213647) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: FGFR4

Synonyms: CD334; JTK2; TKF

Mammalian Cell Puromycin

Selection:

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

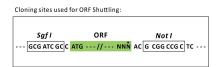
E. coli Selection: Chloramphenicol (34 ug/mL)

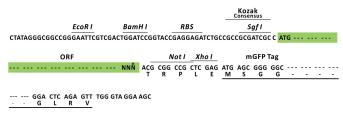
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC222421).

Sequence:

**Restriction Sites:** Sgfl-Notl

**Cloning Scheme:** 





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

**ACCN:** NM\_213647

ORF Size: 2406 bp





#### FGFR4 (NM\_213647) Human Tagged Lenti ORF Clone - RC222421L4

**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 213647.1</u>

 RefSeq Size:
 3084 bp

 RefSeq ORF:
 2409 bp

 Locus ID:
 2264

 UniProt ID:
 P22455

**Cytogenetics:** 5q35.2

**Protein Families:** Druggable Genome, Protein Kinase

**Protein Pathways:** Endocytosis, MAPK signaling pathway, Regulation of actin cytoskeleton

**MW:** 85.5 kDa

**Gene Summary:** The protein encoded by this gene is a tyrosine kinase and cell surface receptor for fibroblast

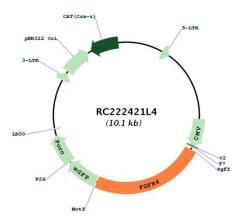
growth factors. The encoded protein is involved in the regulation of several pathways, including cell proliferation, cell differentiation, cell migration, lipid metabolism, bile acid biosynthesis, vitamin D metabolism, glucose uptake, and phosphate homeostasis. This protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment, and a cytoplasmic tyrosine kinase domain. The extracellular portion interacts with fibroblast growth factors, setting in motion a

cascade of downstream signals, ultimately influencing mitogenesis and differentiation.

[provided by RefSeq, Aug 2017]



# **Product images:**



Circular map for RC222421L4