

## **Product datasheet for RC219002L3**

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OriGene Technologies, Inc.

## FGF14 (NM\_004115) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** FGF14 (NM\_004115) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: FGF14

Synonyms: FGF-14; FHF-4; FHF4; SCA27

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

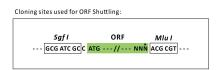
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC219002).

Sequence:

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:





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

**ACCN:** NM\_004115

ORF Size: 741 bp



## FGF14 (NM\_004115) Human Tagged Lenti ORF Clone - RC219002L3

**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.

13q33.1

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 004115.2</u>

 RefSeq Size:
 890 bp

 RefSeq ORF:
 744 bp

 Locus ID:
 2259

 UniProt ID:
 Q92915

Domains: FGF

Cytogenetics:

**Protein Families:** Secreted Protein

**Protein Pathways:** MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

**MW:** 27.5 kDa

**Gene Summary:** The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family.

FGF family members possess broad mitogenic and cell survival activities, and are involved in

a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. A mutation in this gene is

associated with autosomal dominant cerebral ataxia. Alternatively spliced transcript variants

have been found for this gene. [provided by RefSeq, Jul 2008]