

Product datasheet for RC215016L4

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OriGene Technologies, Inc.

FGR (NM_001042747) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FGR (NM_001042747) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: FGR

Synonyms: c-fgr; c-src2; p55-Fgr; p55c-fgr; p58-Fgr; p58c-fgr; SRC2

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(RC215016).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001042747

ORF Size: 1587 bp





FGR (NM_001042747) Human Tagged Lenti ORF Clone - RC215016L4

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 001042747.1</u>, <u>NP 001036212.1</u>

 RefSeq Size:
 2501 bp

 RefSeq ORF:
 1590 bp

 Locus ID:
 2268

 UniProt ID:
 P09769

 Cytogenetics:
 1p35.3

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Chemokine signaling pathway

MW: 59.5 kDa

Gene Summary: This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded

protein contains N-terminal sites for myristylation and palmitylation, a PTK domain, and SH2

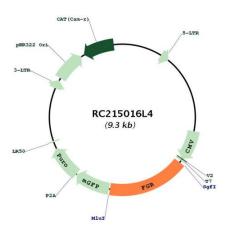
and SH3 domains which are involved in mediating protein-protein interactions with phosphotyrosine-containing and proline-rich motifs, respectively. The protein localizes to plasma membrane ruffles, and functions as a negative regulator of cell migration and adhesion triggered by the beta-2 integrin signal transduction pathway. Infection with Epstein-

Barr virus results in the overexpression of this gene. Multiple alternatively spliced variants,

encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC215016L4