

Product datasheet for RC205595L1

OriGene Technologies, Inc.

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Prokineticin 1 (PROK1) (NM_032414) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Prokineticin 1 (PROK1) (NM_032414) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Prokineticin 1

Synonyms: EGVEGF; PK1; PRK1

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC205595).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_032414

ORF Size: 315 bp





Prokineticin 1 (PROK1) (NM_032414) Human Tagged Lenti ORF Clone - RC205595L1

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 032414.2</u>

RefSeq Size: 1372 bp RefSeq ORF: 318 bp

Locus ID: 84432

UniProt ID: <u>P58294</u>

Cytogenetics: 1p13.3

Protein Families: Druggable Genome, Secreted Protein

MW: 11.5 kDa

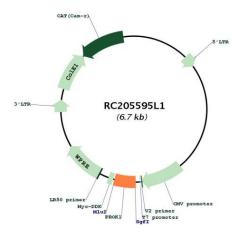
Gene Summary: The protein encoded by this gene induces proliferation, migration, and fenestration (the

formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. It has little or no effect on a variety of other endothelial and non-endothelial cell types. Its expression is restricted to the steroidogenic glands (ovary, testis, adrenal, and placenta), is induced by hypoxia, and often complementary to the expression of vascular endothelial growth factor (VEGF), suggesting that these molecules function in a coordinated

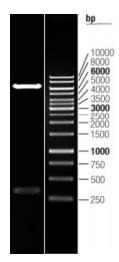
manner. [provided by RefSeq, Sep 2011]



Product images:



Circular map for RC205595L1



Double digestion of RC205595L1 using Sgfl and Mlul $\,$