

Product datasheet for RC220543L4

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OriGene Technologies, Inc.

FNIP1 (NM_133372) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FNIP1 (NM_133372) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: FNIP1

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 cl

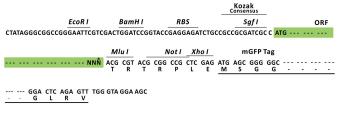
Sequence:

The ORF insert of this clone is exactly the same as(RC220543).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





* The last codon before the Stop codon of the ORF.

ACCN: NM_133372 **ORF Size:** 3498 bp



FNIP1 (NM_133372) Human Tagged Lenti ORF Clone - RC220543L4

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 133372.1, NP 588613.2</u>

 RefSeq Size:
 6584 bp

 RefSeq ORF:
 3501 bp

 Locus ID:
 96459

 UniProt ID:
 Q8TF40

Cytogenetics: 5q31.1

MW: 130.4 kDa

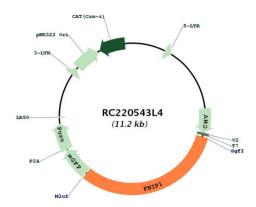
Gene Summary: This gene encodes a protein that binds to the tumor suppressor protein folliculin and to

AMP-activated protein kinase (AMPK). The encoded protein participates in the regulation of cellular metabolism and nutrient sensing by modulating the AMPK and target of rapamycin signaling pathways. This gene has a closely related paralog that encodes a protein with similar binding activities. Both related proteins also associate with the molecular chaperone heat shock protein-90 (Hsp90) and negatively regulate its ATPase activity and facilitate its

association with folliculin. [provided by RefSeq, Jul 2017]



Product images:



Circular map for RC220543L4