

### **Product datasheet for RC203111L4**

### OriGene Technologies, Inc.

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## Arp2 (ACTR2) (NM\_005722) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Arp2 (ACTR2) (NM\_005722) Human Tagged Lenti ORF Clone

Tag: mGFP
Symbol: Arp2
Synonyms: ARP2

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(RC203111).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_005722

ORF Size: 1182 bp



#### Arp2 (ACTR2) (NM\_005722) Human Tagged Lenti ORF Clone - RC203111L4

**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 005722.2</u>

 RefSeq Size:
 3929 bp

 RefSeq ORF:
 1185 bp

 Locus ID:
 10097

 UniProt ID:
 P61160

 Cytogenetics:
 2p14

Domains: ACTIN

**Protein Families:** Druggable Genome

MW: 44.8 kDa

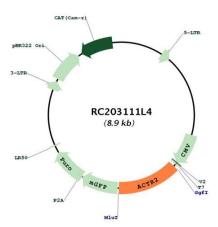
**Gene Summary:** The specific function of this gene has not yet been determined; however, the protein it

encodes is known to be a major constituent of the ARP2/3 complex. This complex is located at the cell surface and is essential to cell shape and motility through lamellipodial actin assembly and protrusion. Two transcript variants encoding different isoforms have been

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



# **Product images:**



Circular map for RC203111L4