

Product datasheet for RC223208L3

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OriGene Technologies, Inc.

ARPC2 (NM_152862) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ARPC2 (NM 152862) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: ARPC2

Synonyms: ARC34; p34-Arc; PNAS-139; PRO2446

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(RC223208).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_152862

ORF Size: 900 bp





ARPC2 (NM_152862) Human Tagged Lenti ORF Clone - RC223208L3

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: NM 152862.1

RefSeq Size: 1514 bp

RefSeq ORF: 903 bp

Locus ID: 10109

UniProt ID: <u>015144</u>

Cytogenetics: 2q35

Domains: p34-Arc

Protein Pathways: Fc gamma R-mediated phagocytosis, Pathogenic Escherichia coli infection, Regulation of actin

cytoskeleton

MW: 34.3 kDa

Gene Summary: This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3

protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of the protein encoded by this gene, the

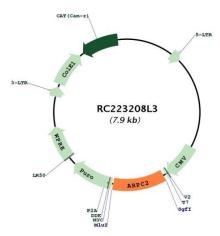
p34 subunit, has yet to be determined. Two alternatively spliced variants have been

characterized to date. Additional alternatively spliced variants have been described but their

full length nature has not been determined. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC223208L3