

Product datasheet for **RG201699**

ARPC5L (NM_030978) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARPC5L (NM_030978) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ARPC5L
Synonyms: ARC16-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201699 representing NM_030978
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCGAACACGCTGTCTCGCGCTTCGCCGGGTGGACATCGACGAATTTGACGAGAACAATTTG
 TGGACGAGCAGGAGGAGGCGCGCGCGCGGCGGAGCCAGGCCCGGACCCGAGCGAGGTGGACGGCT
 CCTGCGCAAGGGGACATGCTTCGGGCATTCCATGCAGCCTTGCGGAACCTCCCGTCAACACCAAGAAT
 CAAGCTGTGAAGGAGCGAGCCCAGGGCGTGGTGTGAAAGTGCTCACAACTTCAAGAGCAGTGAGATTG
 AGCAGGCTGTGCAGTCACTGGACAGAAACGGCGTTGACTTGTTAATGAAGTACATTTATAAAGGCTTTGA
 GAAGCCCACAGAAAATAGCAGCGAGTGTACTCCAGTGGCACGAAAAGCCTTAGCAGTAGGAGGACTA
 GGCTCCATTATAAGAGTCTTACAGCAAGAAAGACTGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201699 representing NM_030978
 Red=Cloning site Green=Tags(s)

MARNLSSRFRRVDIDEFDENKVFDEQEEAAAAAEPGPDSEVDGLLRQGDMLRAFHAALRNSPVNTKN
 QAVKERAQGVVLKVLTNFKSSEIEQAVQSLDRNGVDLLMKYIYKGFKEPTENSSAVLLQWHEKALAVGGL
 GSIIRVLTARKTV

TRTRPLE - GFP Tag - V

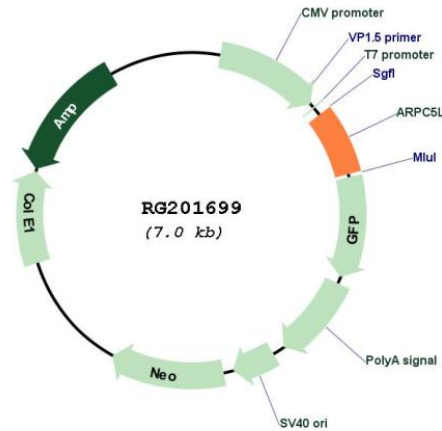
Restriction Sites: SgfI-MluI



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Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:

ACCN: NM_030978

ORF Size: 459 bp

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:	<ol style="list-style-type: none">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_030978.3</u>
RefSeq Size:	1041 bp
RefSeq ORF:	462 bp
Locus ID:	81873
UniProt ID:	<u>Q9BPX5</u>
Cytogenetics:	9q33.3
Domains:	p16_Arc
Protein Pathways:	Fc gamma R-mediated phagocytosis, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton
Gene Summary:	May function as component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks.[UniProtKB/Swiss-Prot Function]