

Product datasheet for **SC335655**

Arp3 (ACTR3) (NM_001277140) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arp3 (ACTR3) (NM_001277140) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACTR3
Synonyms:	ARP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335655 representing NM_001277140. Blue=Insert sequence Red=Cloning site Green=Tag(s)

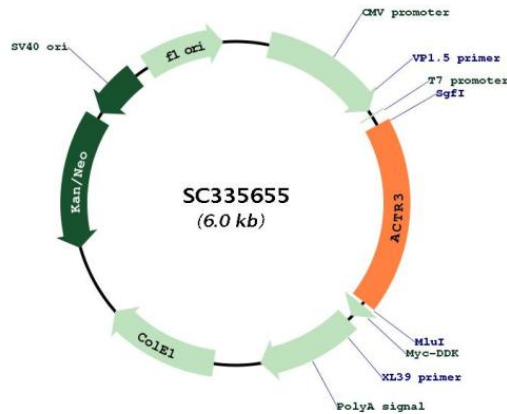
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AAGTGGCCAAATCCGCCATGGTATAGTTGAAGATTGGGACTTAATGGAAAGGTTTATGGAGCAAGTGATC
TTTAAATATTTAAGGGCAGAACCTGAAGACCATTATTTCTTTTACTGAACTCCATTGAATACTCCA
GAAAACAGGGAATATACTGCTGAAATAATGTTTGAGTCCTCAATGTTCCAGGCTGTACATTGCTGTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001277140

Insert Size: 1104 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001277140.1](#)

RefSeq Size: 5499 bp

RefSeq ORF: 1104 bp

Locus ID: 10096

Cytogenetics: 2q14.1

Protein Families: Druggable Genome

MW: 42 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. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Mar 2013]

Transcript Variant: This variant (2) uses an alternate first exon compared to variant 1, resulting in translation initiation at a downstream AUG and an isoform (2) that is shorter at the N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.