

Product datasheet for **SC300935**

Arp2 (ACTR2) (NM_001005386) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arp2 (ACTR2) (NM_001005386) Human Untagged Clone
Tag:	Tag Free
Symbol:	Arp2
Synonyms:	ARP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001005386 edited ATGGACAGCCAGGGCAGGAAGGTGGTGGTGTGCGACAACCGGCACCGGTTTGTGAAGTGT GGATATGCAGGCTCTAACTTTCCAGAACACATCTCCAGCTTTGGTTGGAAGACCTATT ATCAGATCAACCACCAAAGTGGGAAACATTGAAATCAAGAATAACAAAAAGATGGATCTT ATGTTTGGTGATGAGGCAAGTGAATTACGATCAATGTTAGAAGTTAACTACCCTATGGAA AATGGCATAGTACGAAATTGGGATGACATGAAACACCTGTGGACTACACATTTGGACCA GAGAACTTAATATAGATACCAGAAATTGTAATCTTACTCACAGAACCTCCTATGAAC CCAACCAAAAACAGAGAGAAGATTGTAGAGTAATGTTTGAACTTACCAGTTTTCCGGT GTATATGTAGCCATCCAGGCAGTTCTGACTTTGTACGCTCAAGGTTTATTGACTGGTGTA GTGGTAGACTCTGGAGATGGTGTGACTCACATTTGCCAGTATATGAAGGCTTTTCTCTC CCTCATCTTACCAGGAGACTGGATATTGCTGGGAGGGATATAACTAGATATCTTATCAAG CTACTTCTGTTGCGAGGATACGCCTTCAACCACTCTGCTGATTTTGAAACGGTTCGCATG ATTAAGAAAACTGTGTACGTGGGATATAATTTGAGCAAGAGCAGAACTGGCCTTA GAAACCACAGTATTAGTTGAATCTTATACACTCCCAGATGGACGTATCATCAAAGTTGGG GGAGAGAGATTTGAAGCACCAGAAGCTTTATTTAGCCTCACTTGATCAATGTTGAAGGA GTTGGTGTGCTGAATTGCTTTTTAACACAATTCAGGCAGCTGACATTGATACCAGATCT GAATTCTACAAACACATTGTGCTTTCTGGAGGGTCTACTATGTATCCTGGCCTGCCATCA CGGTTGGAACGAGAATTAACAGCTTTACTTGAACGAGTTTTGAAGGGTGATGTGGAA AACTTTCTAAATTTAAGATCCGCATTGAAGACCCACCCGAGAAAGCAGATGGTATTC CTGGGTGGTGCAGTTCTAGCGGATATCATGAAAGACAAAGACAACCTTTTGGATGACCCGA CAAGAGTACCAAGAAAAGGGTGTCCGTGTGCTAGAGAACTTGGTGTGACTGTTTCGATAA
Restriction Sites:	NotI-NotI
ACCN:	NM_001005386
Insert Size:	3800 bp



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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).
OTI Annotation:	ORF was fully sequenced and it matches with NM_001005386.1.
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_001005386.1, NP_001005386.1</u>
RefSeq Size:	3878 bp
RefSeq ORF:	1200 bp
Locus ID:	10097
UniProt ID:	<u>P61160</u>
Cytogenetics:	2p14
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>