

## Product datasheet for SC322434

### ACTR3B (NM\_001040135) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACTR3B (NM_001040135) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACTR3B
Synonyms:	ARP3BETA; ARP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322434  
 GCGCTCTCGGGCTGCCGGCGGGCCGAGCGCCGCGCTCCCAGCATGGCAGGCTCCCT  
 GCCTCCCTGCGTGGTGGACTGTGGCACC GGGTATACCAAGCTTGGCTACGCAGGCAACAC  
 TGAGCCCCAGTTCAATTATTCCTTCATGTATTGCCATCAGAGAGTCAGCAAAGGTAGTTGA  
 CCAAGCTCAAAGGAGAGTGTTGAGGGGAGTTGATGACCTTGACTTTTTTCATAGGAGATGA  
 AGCCATCGATAAACCTACATATGCTACAAAGTGGCCGATACGACATGGAATCATTGAAGA  
 CTGGGATCTTATGGAAAGTTTCATGGAGCAAGTGGTTTTTAAATATCTTCGAGCTGAACC  
 TGAGGACCATTATTTTTAATGACAGAACCTCCACTCAATACACCAGAAAAACAGAGAGTA  
 TCTTGACAGAAATTATGTTGAATCATTTAACGTACCAGGACTCTACATTGCAGTTCAGGC  
 AGTGCTGGCCTTGGCGGCATCTGGACATCTCGACAAGTGGTGAACGTACGTTAACGGG  
 GATAGTCATTGACAGCGGAGATGGAGTCACCCATGTTATCCCAGTGGCAGAAGGTTATGT  
 AATTGGAAGCTGCATCAAACACATCCCATTGCGAGGTAGAGATATTACGTATTTCAATCA  
 ACAGCTGCTAAGGGAGAGGGAGGTGGGAATCCCTCCTGAGCAGTCACTGGAGACCCGAAA  
 AGCCATTAAGGAGAAATACTGTTACATTTGCCCGATATAGTCAAGGAATTTGCCAAGTA  
 TGATGTGGATCCCCGGAAGTGGATCAAACAGTACACGGGTATCAATGCGATCAACCAGAA  
 GAAGTTTGTTATAGACGTTGGTTACGAAAGATTCCTGGGACCTGAAATATCTTTACCC  
 GGAGTTTGCCAAACCAGACTTTATGGAGTCCATCTCAGATGTTGTTGATGAAGTAATACA  
 GAAGTGGCCCATCGATGTGCGGCCCGCTGTATAAGCCCGAGTCTTTTCAGTCTGCCA  
 ACCAAGAAGGACTATGAAGAGTACGGGCCAGCATCTGCCGCCACAACCCGCTTTTGG  
 AGTCATGTCCTAGTGTCTGCCTGAACGCGTTCGATGGTGTACGTTGGGGAACAAGT  
 GTCCTTCAGAACCAGAGAAGGCCGCCGTTCTGTAAATAGCGACGTCGGTGTGCTGCC  
 AGCAGCGTGCTTGCATTGCCGTGCATGAGGCGCGGCGGGCCCTTCAGTAAAAGCCAT  
 TTATCCGTGTGCCGACCCTGTCTGCCAGCCTCCTCCTCTCCCGCCCTCCTCACCTCG  
 CTCTCCCTCCTCCTCCTCCGAGCTGCTAGCTGACAAATAACAATCTGAAGGAATCCA  
 AATGTGACTTTGAAAATTGTTAGAGAAAACAACATTAGAAAATGGCGCAAAATCGTTAGG  
 TCCCAGGAGAGAATGTGGGGCGCAAACCCCTTTCTCCAGCCTATTTTTGTAATAAA  
 ATGTTTAAACTTGAAATACAAAAA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001040135
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001040135.1</a></u> , <u><a href="#">NP_001035225.1</a></u>
<b>RefSeq Size:</b>	1989 bp
<b>RefSeq ORF:</b>	1047 bp
<b>Locus ID:</b>	57180
<b>UniProt ID:</b>	<u><a href="#">Q9P1U1</a></u>
<b>Cytogenetics:</b>	7q36.1-q36.2
<b>Gene Summary:</b>	<p>This gene encodes a member of the actin-related proteins (ARP), which form multiprotein complexes and share 35-55% amino acid identity with conventional actin. The protein encoded by this gene may have a regulatory role in the actin cytoskeleton and induce cell-shape change and motility. Pseudogenes of this gene are located on chromosomes 2, 4, 10, 16, 22 and Y. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (2) lacks two alternate in-frame exons in the coding region compared to variant 1. It encodes isoform 2 which is shorter than isoform 1.</p>