

Product datasheet for **SC113083**

ACTR3B (NM_020445) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACTR3B (NM_020445) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACTR3B
Synonyms:	ARP3BETA; ARP11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113083 sequence for NM_020445 edited (data generated by NextGen Sequencing)

```

ATGGCAGGCTCCCTGCCTCCCTGCGTGGTGGACTGTGGCACCGGGTATACCAAGCTTGGC
TACGCAGGCAACACTGAGCCCCAGTTTATTCTTCATGTATTGCCATCAGAGAGTCA
GCAAAGGTAGTTGACCAAGCTCAAAGGAGAGTGTGAGGGGAGTTGATGACCTTGACTTT
TTCATAGGAGATGAAGCCATCGATAAACCTACATATGCTACAAAGTGGCCGATACGACAT
GGAATCATTGAAGACTGGGATCTTATGGAAAGTTTATGGAGCAAGTGGTTTTTAAATAT
CTTCGAGCTGAACCTGAGGACCATTATTTTTTAAATGACAGAACCTCCACTCAATACCA
GAAAACAGAGAGTATCTGCAGAAATTATGTTTGAATCATTTAACGTACCAGGACTCTAC
ATTGCAGTTCAGGCAGTGTGGCCTTGGCGGCATCTGGACATCTCGACAAGTGGGTGAA
CGTACGTTAACGGGGATAGTCATTGACAGCGGAGATGGAGTCACCCATGTTATCCCAGTG
GCAGAAGTTATGTAATTGGAAGCTGCATCAAACACATCCCGATTGCAGGTAGAGATATT
ACGTATTTCAATCAACAGCTGCTAAGGGAGAGGGAGGTGGGAATCCCTCCTGAGCAGTCA
CTGGAGACCGCAAAGCCATTAAGGAGAAATACTGTTACATTTGCCCCGATATAGTCAAG
GAATTTGCCAAGTATGATGTGGATCCCCGGAAGTGGATCAAACAGTACACGGGTATCAAT
GCGATCAACCAGAAGAAGTTTGTATAGACGTTGGTTACGAAAGATTCTGGGACCTGAA
ATATCTTTCAACCGGAGTTTGGCAACCCAGACTTTATGGAGTCCATCTCAGATGTTGTT
GATGAAGTAATACAGAACTGCCCCATCGATGTGCGGCGCCCGCTGTATAAGAATGTCGA
CTCTCAGGAGGCTCCACCATGTTTCAGGGATTTTCGACGCCGAGTGCAGAGGGATTTGAAG
AGAGTGGTGGATGCTAGGCTGAGGCTCAGCGAGGAGCTCAGCGGCGGGAGGATCAAGCCG
AAGCCTGTGGAGGTCCAGGTGGTCACGCATCACATGCAGCGCTACGCCGTGTGGTTCCGA
GGCTCCATGCTGGCCTCGACTCCCGAGTTCTTTTCAGGTCTGCCACCAAGAAGGACTAT
GAAGAGTACGGGCCAGCATCTGCCGCCACAACCCCGTCTTTGGAGTCATGTCCTAG

```

Clone variation with respect to NM_020445.4



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_020445 unedited</p> <pre> AGTATTTTGTAAACGACTCACTATAGGGGCGGCCGGAATTCGCACGAGGGGCTAGCGG GCGGGGAGCGGACGCGACGGGGCGCTCTCGGGCTGCCGGCGGGGCGAGCGCCGCGCG TCCCGAGCATGGCAGGCTCCCTGCCTCCCTGCGTGGTGGACTGTGGCACCGGGTATACCA AGCTTGGCTACGACGGCAACACTGAGCCCCAGTTCATTATTCCTCATGTATTGCCATCA GAGAGTCAGCAAAGGTAGTTGACCAAGCTCAAAGGAGAGTGTTGAGGGGAGTTGATGACC TTGACTTTTTTCATAGGAGATGAAGCCATCGATAAACCTACATATGCTACAAAGTGGCCGA TAGCAGATGGAATCATTGAAGACTGGGATCTTATGGAAAAGTTTCATGGAGCAAGTGGTTT TTAAATATCTTCGAGCTGAACCTGAGGACCATTATTTTTTAATGACAGAACCTCCACTCA ATACACCAGAAAACAGAGAGTATCTTGCAGAAATTATGTTTGAATCATTTAACGTACCAG GACTCTACATTGCAGTTCAGGCAGTGTGGCCTTGGCGGCATCTTGACATCTCGACAAG TGGGTGAACGTACGTTAACGNGATAGTCATTGACAGCGGAGATGGAGTCACCCATGTTA TCCGAGTGGCAGAAGGTTATGTAATTGGAAGCTGCATCAAACACATCCCGATTGCAGGTA GAGATATTACGTATTTTCATTCAACAGCTGCTAAGGGAGAAGGNAGTGGGAAATCCTNCT GAGCAGTCACTGGAGACCGCANAAGCCATTANGGAGAATACTGNTACATTTGCCCGGAA TAGTCAAGGAATTGCCAGTATGATGTGGATCCCGAAAAGTGATCAACAGTACACGGNTAT CATGCGATCACANAAGAAGTTGTATANAACCTTTGTTACGAA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_020445 unedited</p> <pre> TGTACCGCGGCACGCAATCTAGTGTGAGTTTTTTTTTTTTTTTTTTTTTTTATTTACAAATAT TCTAACAGCTTTTATTACAATGGTGCAAGGAAGTATTTTCATCCAACACTCACCGACAACA AACCATCATCTTCTATAAAACAGCTCCAGAAAAGTTCAAACAAAAAAACTAAAAGATACA TGTATCTGTAGTAATTCTCATACATTACTGTTTAGTGTTCAAACCTCATGTCACCTCCAAT AAAGTATAATCATTTTCTAGCAAACATGTGGCAAAAAAGTTTGGCTGTTTTATTTGTTTGC CTATAACATATCAGAACATGCCTCACAATTA AAAACTTTGGATTACAGCACTCCATAAC ATCAATATCTATTCGTGCTTAGTATCAGCCAGTTGTACCAAAATACCATAAAAATACAAAAT GATAGGAAATATAAACATCGATTTGTATTTCAAGTTTAAACATTTTATTTACAAAATAG GCTGGGAGGAAAAGGTTTGGCGCCCCACATTCTCTCCTGAGACCTAACGATTTTGGCC ATTTTCTAATGTTGTTTTCTCTAACAATTTTCAAAGTCACATTTGGATTCCTTCAGAATT GTATTTGTGCTAGCANCTCGGAGGATGATGATGATGGATATCGAGGGTATGATGGCG GGATAATGATGATGCTGGCANACAGCGGTGCGCACACGGATAAATGGCTNTTACTGAAGG GCCCGCGCGCGCTCATGCACCGGNATGCAAGCACGCTGCTGGGCAGCATCACCGACG TCGCTATTTACAGAACGCGGNCTCTCTGGGTTCTGAAGGACACTTGTNCCCCACGTG ACACATCGAAACGACGCTCAGGCAGACACTAGGACATGACTNNCAATACGGGTTGTGG NCGCATATGCTGGGCCCTACTCTTAGTCCCTTCTGGGGTGGGCAGACCGAAAGACTC GGGAGTCNAGGCANCTTGGANCTCGAACCAACGGGTACGCTGCTGGATGCTGACACCC GTACCTC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_020445
Insert Size:	2340 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_020445.3](#), [NP_065178.1](#)

RefSeq Size: 2175 bp

RefSeq ORF: 1257 bp

Locus ID: 57180

UniProt ID: [Q9P1U1](#)

Cytogenetics: 7q36.1-q36.2

Domains: ACTIN

Gene Summary: 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]
Transcript Variant: This variant (1) encodes the longest isoform (1).