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Product datasheet for SC322271

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for SC322271
CGCTGCGCGCGGGGCTAGCGGGCGGCGGAGTGGACGGCGACGGGGCGCTCTCGGGCTGCC
GGCGGGGCCGAGCGCCGCGCGTCCCGAGCATGGCAGGCTCCCTGCCTCCCTGCGTGGTGG
ACTGTGGCACCGGGTATACCAAGCTTGGCTACGCAGGCAACACTGAGCCCCAGTTCATTA
TTCCTTCATGTATTGCCATCAGAGAGTCAGCAAAGGTAGTTGACCAAGCTCAAAGGAGAG
TGTTGAGGGGAGTTGATGACCTTGACTTTTTCATAGGAGATGAAGCCATCGATAAACCTA
CATATGCTACAAAGTGGCCGATACGACATGGAATCATTGAAGACTGGGATCTTATGGAAA
GGTTCATGGAGCAAGTGGTTTTTAAATATCTTCGAGCTGAACCTGAGGACCATTATTTTT
TAATGACAGAACCTCCACTCAATACACCAGAAAACAGAGAGTATCTTGCAGAAATTATGT
TTGAATCATTTAACGTACCAGGACTCTACATTGCAGTTCAGGCAGTGCTGGCCTTGGCGG
CATCTTGGACATCTCGACAAGTGGGTGAACGTACGTTAACGGGGATAGTCATTGACAGCG
GAGATGGAGTCACCCATGTTATCCCAGTGGCAGAAGGTTATGTAATTGGAAGCTGCATCA
AACACATCCCGATTGCAGGTAGAGATATTACGTATTTCATTCAACAGCTGCTAAGGGAGA
GGGAGGTGGGAATCCCTCCTGAGCAGTCACTGGAGACCGCAAAAGCCATTAAGGAGAAAT
ACTGTTACATTTGCCCCGATATAGTCAAGGAATTTGCCAAGTATGATGTGGATCCCCGGA
AGTGGATCAAACAGTACACGGGTATCAATGCGATCAACCAGAAGAAGTTTGTTATAGACG
TTGGTTACGAAAGATTCCTGGGACCTGAAATATTCTTTCACCCGGAGTTTGCCAACCCAG
ACTTTATGGAGTCCATCTCAGATGTTGTTGATGAAGTAATACAGAACTGCCCCATCGATG
TGCGGCGCCCGCTGTATAAGAATGTCGTACTCTCAGGAGGCTCCACCATGTTCAGGGATT
TCGGACGCCGACTGCAGAGGGATTTGAAGAGAGTGGTGGATGCTAGGCTGAGGCTCAGCG
AGGAGCTCAGCGGCGGGAGGATCAAGCCGAAGCCTGTGGAGGTCCAGGTGGTCACGCATC
ACATGCAGCGCTACGCCGTGTGGTTCGGAGGCTCCATGCTGGCCTCGACTCCCGAGTTCT
TTCAGGTCTGCCACACCAAGAAGGACTATGAAGAGTACGGGCCCAGCATCTGCCGCCACA
ACCCCGTCTTTGGAGTCATGTCCTAGTGTCTGCCTGAACGCGTCGTTCGATGGTGTCACG
TTGGGGAACAAGTGTCCTTCAGAACCCAGAGAAGGCCGCCGTTCTGTAAATAGCGACGTC
GGTGTTGCTGCCCAGCAGCGTGCTTGCATTGCCGGTGCATGAGGCGCGGCGCGGGCCCTT
CAGTAAAAGCCATTTATCCGTGTGCCGACCGCTGTCTGCCAGCCTCCTCCTTCTCCCGCC
CTCCTCACCCTCGCTCTCCCTTCTCCTCCTCCTCCGAGCTGCTAGCTGACAAATACAATT
CTGAAGGAATCCAAATGTGACTTTGAAAATTGTTAGAGAAAACAACATTAGAAAATGGCG
CAAAATCGTTAGGTCCCAGGAGAGAATGTGGGGGCGCAAACCCTTTTCCTCCCAGCCTAT
TTTTGTAAATAAAATGTTTAAACTTGAAATACAAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_020445

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: 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.

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_020445.4, NP_065178.1
RefSeq Size:	2199 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).