

## Product datasheet for **SC215829**

### **ACTR1A (NM\_005736) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	ACTR1A (NM_005736) Human 3' UTR Clone
Symbol:	ACTR1A
Synonyms:	ARP1; Arp1A; CTRN1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005736
Insert Size:	1664 bp



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**Insert Sequence:** >SC215829 3'UTR clone of NM\_005736  
 The sequence shown below is from the reference sequence of NM\_005736. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCCCGATCCATCCACAGAAAAACCTTCTAATGTCGGGACATCATCTTACCTCTCTCTGAAGTTAACTC
CACTTTAAAACCTCGCTTTCTTGAGTCGGAGTGTTGCGAGGAACTGCCTGTGTGTGAGTGCCTGTGTGG
ATATGAGTGTGTGTGCACATGCGAGTGCCGTGTGGCCCTGGGACCCTGGGCCAGAAAGGACGATGAAC
TACCTGCAGTGGTATGGCCTGAGGCTGGGGTTGACCACTAACTGGCTCCTGACAGGGAAGAGCGCTG
GCAGAGGCTGTGCTCCCTCCTCAGGTGGCTCTGGCTGGCTGTGGGGACTCCGTTTACTACCACAGGG
AGACAGAGGGAGGTAAGCCATCCCCGGGAGACCTTGCTGCTGACCATCCTAGGCTGGGCTGGCCCCAC
CCTCACCCACCAGGGTGCCTGAGGCCAGGCAGCTGCTGCCTCCACTATCGATGCCTCCTGA
CTGCACACTGAGGACTGGGACTGGGTTGAGTTCTGTCTGGTTTTGTTGCCATTTTGGTTTGGGAGGCT
GGAAAAGCACCCCAAGAGCTATTACAGAGACTGGAGTCAGGAGAGAGCAGGAGGCCCTCATGTTCACCA
GGGAACAGGACCACACCGGCCACTGGAGGAGGGCAGGAGCAGTCCTCACTCTGAATGGCTGCAGAGTTA
ATGTTCCAGCCAGTCCCTTTTCGGGGCCTTGGGAGAGTTAAAGGCACCTGCTGGTCCAGGACCTC
GCTTTCATCTGTTCTTGTGCAATGCCATCTTCAAACCGTTTTATTTATTGAAGTGTGTTTTCAGTTA
GGGGCTGGAGAGAGGGAGCTTGTGCCTCCTGCCTTGCTACACTAATGTTTACAGCACCTAAGCTTAGC
CTCCAGGGCCCCACCTCTCCAGCTGATGGTGAGCTGACAGTGTCCACAGGTTCCAGGACCATTTGAGA
TTGGAAGCTACACTCAAAGACACTCCCACCAGGCTCTTCTCCCTTTTCTTCTTGTCTCACTGCCCTGGA
ATCAACAGGCTGGTTGCTGGTTAGATTTTCTGAAACAGGAGTAAAATTTTCTTGGCAGAGGCCCT
AAGCAAGGGAGGGGTGTTGGAGAGCCAGTGCCCTTAAGACTGGAGAAAGCTGCAATTTACCAAGTTGCC
TTTTGCCACTGTAGCTGACCAGGGACTAGGTTGTAGAGGTGGGAAGGCCCTCTGGGCTGATCTTGT
GCCATTCTTGACCTTGGACCTGCTTGGTTAAGGAGGGAGTGGGCCAGACCAGAGTGCCAGGAGCTAATG
GAGCCAGGCTGACTCCTAGGAGTGGTCCAAAGGCCTTACGCTAGATGGTGCAAAGCTGGGGCCAGCC
TGTCTTACCAGGACCTCACCTGTGACACCAAGACCCACCCCAATCCCAGACTTACACAGTATTCTC
CCCCACCGCTCCTATGACCAAAGGCCCTGCCAGGTGTGGGCCACAGCAGCAGGTATGTGTGAAAGCA
ACGTAGCGCCCCGCGACTGCAGTGCCTTAACCAACTCACCTCCCTTCTTAGCCCAAGCCTGTCCC
TCGCACAGCCTCGCAAAACCACATTGCCTGGTGGGGCCAGTGTACTGAAATAAAGTCGTTCCGATAG
ACACGTCA
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_005736.4](#)

**Summary:**

This gene encodes a 42.6 kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit is present in 8-13 copies per dynactin molecule, and is the most abundant molecule in the dynactin complex. It is an actin-related protein, and is approximately 60% identical at the amino acid level to conventional actin. [provided by RefSeq, Jul 2008]

**Locus ID:**

10121

**MW:**

60.6