

## Product datasheet for SC113450

### ACTR10 (NM\_018477) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACTR10 (NM_018477) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACTR10
Synonyms:	ACTR11; Arp10; Arp11; HARP11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113450 sequence for NM_018477 edited (data generated by NextGen Sequencing)

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ATGCCGCTCTACGAGGGCCTGGGGAGCGCGGGGAGAAGACGCGGTCGTGATCGACCTG
GGAGAGGGCCTTTACCAAGTGTGGATTTGCTGGAGAACTGGTCCAAGATGTATAATTCCT
AGTGTGATAAAAAAGAGCTGGGATGCCTAAGCCTGTCAGAGTTGTTCAAGTATAATATCAAT
ACAGAAGAATTATATTCCTACCTAAAGGAATTCATCCACATACTATATTCAGGCATCTA
TTGGTGAATCCCAGAGACCGCCGAGTTGTGATTATCGAATCGGTATTATGTCCTTCTCAC
TTCAGAGAGACACTCACTCGTGTCTTTTCAAATATTTTGAGGTTCCATCTGTCTTGCTT
GCTCCAAGTCATCTAATGGCTCTTCTGACGCTTGAATTAATTCTGCCATGGTCTAGAT
TGTGGATATAGGAAAAGCCTGGTGTACCCATATATGAAGGAATCCAGTTCTAAATTGT
TGGGGAGCACTACCCCTAGGAGGAAAAGCTCTTCAAAAGAGTTGGAAACTCAACTATTG
GAACAATGTAAGTGTGACACAAGTGTGCTAAAGAACAGAGCCTTCCCTCAGTGATGGGT
TCAGTTCGGAAGGTGTCTTAGAGGACATTAAGCGCGTACTTGTCTTGTAAAGTATCTG
AAGCGAGGACTAAAAATCCAAGCAGCAAAATTTAATATTGATGGGAATAATGAGCGTCCC
TCCCCACCCCAATGTTGACTATCCATTAGATGGAGAGAAGATTTTACATATCCTTGGA
TCAATCAGAGATTCAGTTGTGGAATTCCTTTTGAACAAGATAATGAAGAGCAATCAGTT
GCCACTTTAATATTGGATTCCCTTATACAGTGTCCGATAGACACCAGGAAGCAACTAGCA
GAGAATTTGGTAGTCATAGGTGGCACTTCTATGTTGCCAGGATTTCTCCACAGATTGCTT
GCAGAAATAAGGTATTTGGTAGAAAAACCAAAATATAAAAAAGCACTTGGCACTAAGACA
TTTCGAATTCATACTCCACCTGCAAAAGCTAATTGTGTGGCCTGGTTGGGAGGGGCTATT
TTTGGAGCATTACAAGATATACTTGGGAGCCGTTCTGTTTCAAAGGAATATTATAATCAG
ACGGGCGGTATACCTGATTGGTGTCTCTCAATAACCCACCTTTGGAAATGATGTTGAT
GTCGGGAAAACCAACCCTCTGATGAAGAGAGCATTTCCTCACTGAGAAATAG

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Clone variation with respect to NM\_018477.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_018477 unedited  
 GGTACCATTTGTATACGACTACTATAGGGCGGCCGGAATTCGCACGAGGCTGCGACC  
 CTCTTCTCTCAGTCTGCCTTACTACCATGCCGCTCTACGAGGGCCTGGGGAGCGCGGGG  
 AGAAGACGGCGGTCGTGATCGACCTGGGAGAGGCCTTACCAAGTGTGGATTTGCTGGAG  
 AAAGTGGTCCAAGATGTATAATTCCTAGTGTGATAAAAAGAGCTGGGATGCCTAAGCCTG  
 TCAGAGTTGTTTCAGTATAATATCAATACAGAAGAATTATTCCTACCTAAAGGAATTCA  
 TCCACATACTATATTTTCAGGCATCTATTGGTGAATCCCAGAGACCGCCGAGTTGTGATTA  
 TCGAATCGGTATTATGTCCTTCTCACTTCAGAGAGACACTCACTCGTGTCTTTTCAAAT  
 ATTTTGAGGTTCCATCTGTCTTGCTCCAAGTCATCTAATGGCTCTTCTGACGCTTG  
 GAATTAATTCTGCCATGGTCTAGATTGTGGATATAGGGAAAGCCTGGTGTACCATAT  
 ATGAAGGAATCCCAGTTCTAAATGTTGGGGAGCACTACCCCTAGGAGGAAAAGCTTTC  
 ACAAGAGTTGGAACTCAACTATTGGAACAATGACTGTTGACACAAGTGTGCTAAAG  
 AACAGAGCCTCCCTCAGTGATGGGTTCCAGTCCGNGAGGTGCTTAGAGGACATTAAG  
 CGCGTACTTGCTTTGNTAGTGATCTGAAGCGAGGACTAAAAATCCAAGCAGCAAAATTTA  
 ATATTGATGGGGATATGAGCGTCCCTCCCAACCCCAATGGTGACTATCCATTAGATGG  
 AGAGAAGATTTTACATATCCCTTGAATCAATCAGAGATTCAGTTGTGGAAATNCTTTT  
 GGACAAGATATGGAGAGCATCCGCTGC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_018477 unedited  
 CTAGAGTCGAGTTTTTTTTTTTTTTTTTAAAACTGCTTTACTATACTTTATTGATATAAA  
 TACAGCAAATCTCAATAAGCACCAGCTACCATTTTACCACTACACAAGAGAAAACAAAGTC  
 AAAAGAATTATATTAATGCAAAGAGTAAACACAGAATGCTTTCACTTCCACTATAGTC  
 CTCTATAACAAAACATCCTACATACTTTGTACAATTTGCTTATAATTGGTTAAATATTTG  
 ATATGAAGCAAGTTGATTTTTAATCAAACCTTCTATTTCTCAGTGGAAAAATGCTCTCTTC  
 ATCAGAGGTGGTTGAGTTTTCCCGACATCAAACATCATTTCCAAAGGTGGGTTATTGAGA  
 GAACACCAATCAGGTATACGGCCCGTCTGATTATAATATTCCTTTGAAACAGAACGGCTC  
 CCAAGTATATCTTGAATGCTCCAAAAATAGCCCTCCCAACAGGCCACACAATTAGCT  
 TTTGCAGGTGGAGTATGAATTCGAAATGTCTTAGTGCCAAGTGTCTTTTTATATTTGGT  
 TTTTCTACAAAACCTTATTTCTGCAAGCAATCTGTGGAGAAAATCCTGGCAACATAGAA  
 GTGCCACCTATGACNTACCAAATCTCTGCTANGTGCTTCTGGTGTCTATCGGACACTGT  
 ATAAGGGAAATCCATATAAAGTGGGCACTGATTGCTCTTCATTTATCTTGTCAAAAAGAA  
 TTCCACACTGAATCTCTGATTGATCCAAGGATATGTAATAATCTTCTCCATCTAATGGA  
 TAGTCAACATTGGGGTGGGGAGGGACGCTCATTATNCCCATCATATAAATTTGCTGCT  
 GGATTNTAGNCCTCGCTCAGAACACTACAAGCAGTACGCGCTTTATGCCTTTAAGACCC  
 TTCGAAGTACCATACTGAGGAAGCTTGTCTTTACACACTGGGAACAGACATTGTCATAG  
 TGAGTTCACTTTGGGAGAGCTTCTTAGGGGAAGCTCCACATTAAGTGGATCTCATTGGA  
 AACAGTTCCTATCAATGAACAGA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_018477

**Insert Size:**

1590 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\\_018477.1](#), [NP\\_060947.1](#)

**RefSeq Size:** 1621 bp

**RefSeq ORF:** 1254 bp

**Locus ID:** 55860

**UniProt ID:** [Q9NZ32](#)

**Cytogenetics:** 14q23.1

**Domains:** ACTIN