

## Product datasheet for RC204807

### ACTR6 (NM\_022496) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACTR6 (NM_022496) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ACTR6
Synonyms:	ARP6; CDA12; hARP6; hARPX; HSPC281; MSTP136
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204807 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACGACCTTAGTGCTGGATAATGGAGCTTACAACGCCAAAATCGGTTACAGCCATGAAAATGTGTCCG  
TTATTCTAATTGTCAGTCCGGTCAAAAACAGCACGTCTTAAACTTTTACTGCCAACAGATAGATGA  
AATAAAAGACCCCTCTGGACTCTTTTACATCCTCCCTTTTCAAAAGGGCTACTTGGTGAATTGGGATGTT  
CAGAGACAAGTTGGGATTACCTTTTGGAAAAGAAATGTATCAGGTTGATTTTTAGACTAATAATTA  
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CCAGTTTCAAGCAGTATTAAGAGTAAATGCTGGGGCTCTCAGTGCACATAGGTATTTCCGAGATAATCCT  
TCCGAATTATGCTGTATCATTGTTGATAGTGGATATTCCTTTACACATATAGTTCCTTATTGTAGAAGTA  
AAAAGAAAAAGAAGCAATTATTCGGATAAATGTGGGAGGAAAATCTTAACCAATCATCTAAAGGAGAT  
CATATCTTACAGGCAGCTACATGTTATGGATGAAACACATGTGATTAATCAAGTGAAGAAGATGTATGC  
TATGTGTCTCAGGATTTTTATAGAGACATGGATATTGCAAAGTTGAAAGGAGAAGAAAATACAGTAATGA  
TAGACTATGTCTTGCCTGACTTCAGTACAATTAAGGGCTTTTGTAAAGCAAGGAAGAGATGGTGT  
GAGTGGAAAATACAAATCTGGGGAACAAATTCCTCGTTTGGCCAATGAGAGATTTGCTGTTCCGGAATA  
CTCTTTAATCCTTCTGATATAGGCATTCAGAAATGGGAATCCAGAAGCTATTGTCTATTCAATTCAAA  
ATCTACCTGAAGAAATGCAGCCGATTTTTTAAAGAACATTGTCTTGACAGGAGGAAATTCCTTTTCCC  
AGGATTTAGGGATCGGGTTTACTCAGAAGTTTCGATGTCTTACTCCAACAGATTATGATGTTTCTGTTGTG  
CTGCCTGAAAACCTATTACTTATGCCTGGGAAGGTGGAAAATTGATATCAGAGAATGATGATTTTGAAG  
ATATGGTGGTAACAAGAGAAGATTACGAAGAAAATGGACATAGCGTCTGTGAAGAGAAAATTTGATATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC204807 protein sequence  
Red=Cloning site Green=Tags(s)

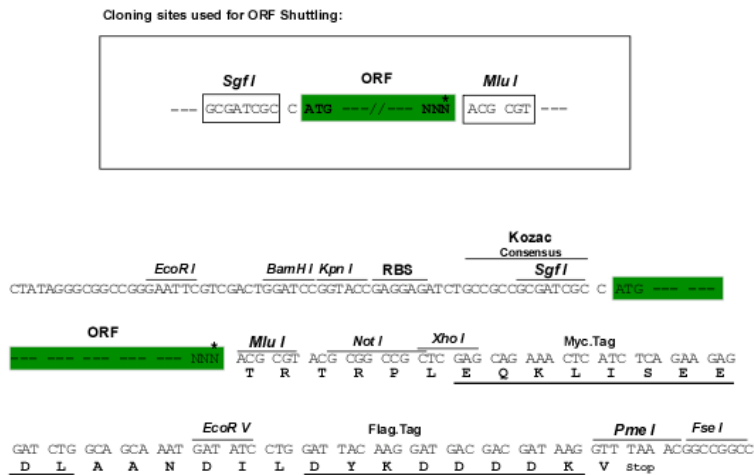
MTTLVLDNGAYNAKIGYSHENSVIPNCQFRSKTARLKTFTANQIDEIKDPSGLFYILPFQKGYLVNWDV  
 QRQVWDYLFQKEMYQVDFLDTNIIITEPYFNFTSIQESMNEILFEEYQFQAVLRVNAGALSAHRYFRDNP  
 SELCCIIIVDSGYSFTHIVPYCRSKKKKEAIRINVGGKLLTNHLKEIISYRQLHVMDETHVINQVKEDVC  
 YVSQDFYRDMDIAKLKGEENTVMIDYVLPDFSTIKKGFCKPREEMVLGKYSGEQILRLANERFAVPEI  
 LFNPSDIGIQEMGPEAIVYSIQNLPEEMQPHFFKNIVLTGGNSLFPGFRDRVYSEVRCLTPTDYDYSVV  
 LPENPITYAWEGGKLISEDDFEDMVVTREDEENGHSVCEEKFDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6061\\_h05.zip](https://cdn.origene.com/chromatograms/mk6061_h05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_022496

**ORF Size:** 1188 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_022496.4](#)

**RefSeq Size:** 2491 bp

**RefSeq ORF:** 1191 bp

**Locus ID:** 64431

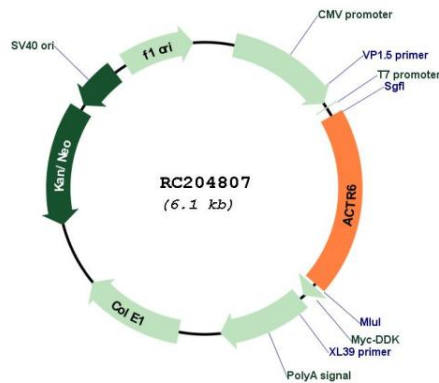
**UniProt ID:** [Q9GZN1](#)

**Cytogenetics:** 12q23.1

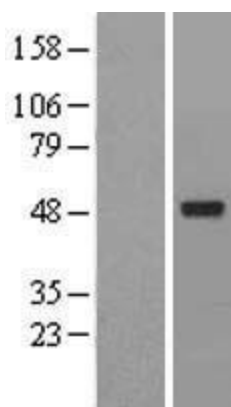
**Domains:** ACTIN

**MW:** 45.8 kDa

**Product images:**



Circular map for RC204807



Western blot validation of overexpression lysate (Cat# [LY411644]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204807 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).