

Product datasheet for **RR204396**

Actr3 (NM_031068) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Actr3 (NM_031068) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Actr3
Synonyms:	Arp3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204396 representing NM_031068 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGGACGGCTGCCGGCCTGTGTGGTGGACTGTGGCACGGGATATACAAAAGTAGGATATGCTGGAA
ATACAGAACCACAGTTTATCATCCCATCATGTATTGCCATTAAGAGTCTGCAAAAGTGGTGATCAAGC
CCAGAGGAGGGTATGAAAGGCGTGGATGACCTAGACTTCTTCATTGGTATGAAGCAATAGAAAAGCC
ACATATGCAACAAAGTGGCCAATCCGCCATGGTATAGTTGAAGACTGGGACTTAATGGAAGGTTTATGG
AGCAAGTGATTTTTAAATATTTAAGGGCAGAACCTGAAGATCATTACTTTCTTTTACTGAACTCCACT
GAATACTCCAGAAAACAGGGAATATACTGCTGAGATAATGTTTGGTCCCTCAATGTTCCAGGCCTGTAC
ATTGCTGTGCAGGCTGTTCTTGCCTTAGCTGCATCCTGGACCTCAAGACAAGTAGGAGAGCGGACTGA
CGGGTACAGTAATAGACAGTGGAGACGGAGTCACTCATGTCATTCCTGTGGCTGAAGGATATGTTATCGG
CAGCTGTATTAACACATTCCAATCGTGGAAAGAGATAAACATATTTTATTCAGCAACTGCTGAGAGAC
CGAGAAGTAGGAATCCCTCCTGAACAGTCTTGGAAACTGCAAAAGCAGTGAAGGAGCGCTACAGTTATG
TCTGCCAGATTTAGTAAAAGAATTTACAAGTATGACACTGATGGGTCAAAGTGGATCAAACAGTACAC
CGGAGTCAACGCCATCTCAAAGAAGGAATTCCTCATTGATGTTGGCTACGAGCGATTTCTGGGACCGGAG
ATCTTTTTCCATCCAGAGTTTGCTAATCCAGATTTTACACAACCTATCTCAGAAGTTGTAGATGAAGTCA
TTCAGAATTGCCCATGATGTCCGGCCTCTCTACAAGAACATTGTCTCTCTGGTGGTTCAACCAT
GTTCCAGGACTTTGGACGTGTTTGGAAAGAGATCTGAAGAGAAGTGTAGATGCCAGGCTGAAGTTGAGT
GAGGAGCTGAGCGGTGGCAGATTGAAGCCCAAGCCTATTGATGTACAAGTTATTACACACCACATGCAGC
GGTATGCAGTCTGGTTTGGAGGATCAATGCTGGCTCCACGCCTGAGTTCTACCAAGTATGCCACACCAA
AAAGGATTATGAAGAAATCGGACCTAGCATTGTCTGCACCAATCCAGTGTGGAGTCATGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204396 representing NM_031068
Red=Cloning site Green=Tags(s)

MAGRLPACVVDCGTGYTKLGYAGNTEPQFIIPSCIAIKESAKVGDQAQRRVMKGVDDLDFFIGDEAIEKP
 TYATKWPIRHGIVEDWDLMERFMEQVIFKYLRAEPEDHYFLLTEPLNTPENREYTAEIFESFNVPGLY
 IAVQAVLALAASWTSRQVGERTLTGTVIDSGDGVTHVIPVAEGYVIGSCIKHIPIAGRDIITYFIQQLLRD
 REVGIPPEQSLETAKAVKERYSYVCPDLVKEFNKYDTDGSKWIKQYTGVAISKKEFSIDVGYERFLGPE
 IFFHPEFANPDFTQPISEVVDEVIQNCPI DVRRPLYKNI VL SGGSTMFRDFGRRLQRDLKRTVDARLKLS
 EELSGRLKPKPIDVQVITHMQRYAVWFGGSM L A S T P E F Y Q V C H T K K D Y E E I G P S I C R H N P V F G V M S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

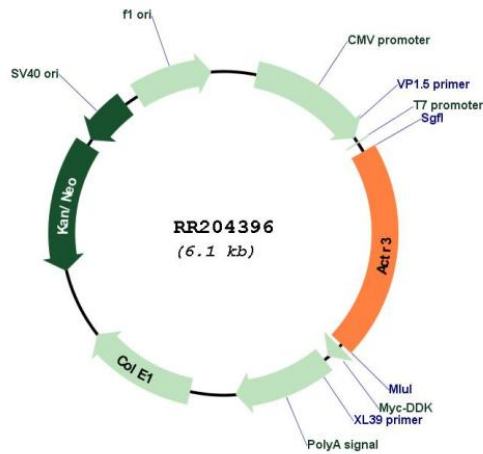
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_031068

ORF Size:	1254 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:	<ol style="list-style-type: none">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_031068.1 , NP_112330.1
RefSeq Size:	2114 bp
RefSeq ORF:	1257 bp
Locus ID:	81732
UniProt ID:	Q4V7C7
Cytogenetics:	13q12
MW:	47.4 kDa
Gene Summary:	actin related protein that may participate in the organization of filament/membrane adhesions [RGD, Feb 2006]