

## Product datasheet for **RR216620**

### Actr3b (NM\_001191860) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Actr3b (NM_001191860) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Actr3b
Synonyms:	RGD1565759
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216620 representing NM_001191860 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGGCTCGCTGCCTCCCTGCGTGGTTGACTGCGGCACCGGGTACACCAAGCTCGGCTACGCAGGCA  
ACACTGAGCCACAGTTCATTATTCGTCATGTATTGCCATCCGAGAGTCGGCAAAGGTAGTTGACCAAGC  
CCAGAGGAGGGTGTGAGAGGAGTTGATGACCTTGACTTCTTCATAGGGGATGAAGCCATTGATAAACCT  
ACCTACGCTACCAAGTGGCCTATACGACATGGCATCGTTGAAGACTGGGATCTTATGGAAAGTTTCATGG  
AACAGGTGGTCTTTAAGTATCTCCGTGCCGAACCTGAGGACCATTATTTTTAATGACAGAACCTCCACT  
GAACACACCAGAGAACAGAGAGTACCTTGAGAAATCATGTTTGAATCATTTAATGTACCAGGGCTCTAC  
ATTGCAGTACAGGCAGTCTGGCCCTGGCGGCCTTTGGACATCCCGCAAGTTGGTGAACGCACCCTGA  
CGGGGATAGTCATAGACAGTGGAGATGGCGTCACCCATGTTATCCCGTGGCAGAAGGTTATGTAATTGG  
AAGCTGCATCAAACACATCCCAATTGCAGGTAGAGATATTACGTATTTCAACAGCTGCTAAGGGAG  
AGGGAGTGGGAATCCCTCCTGAGCAGTCACTGGAGACCGAAAAGCCATTAAGGAGAAGTACTGTTACA  
TATGCCCTGATATTGTCAAGGAATTTGCTAAATATGACGTGGATCCCGGAAGTGGATCAAACAGTATAC  
AGGGATCAATGCAATCAACCAGAGGAAGTTCATTATAGATGTTGGTTATGAGAGGTTCTGGGACCAGAA  
ATATTCTTTCACCTGAGTTTGCCAACCCAGACTTTATGGAGTCCATCTCGGATGTCGTTGATGAAGTCA  
TACAGAACTGTCCATAGACGTGCGCCGACCGCTGTATAAGAACATCGTTCTCTCTGGAGGCTCCACAAT  
GTTTCAGAGATTTGGACGCCGTCTGCAGAGAGATTTGAAGAGAGTGGTGGACGCCAGGTTAAAGCTGAGC  
CAAGAGCTCAGCGGGGGCAGGATAAAGCCTAAGCCTGTGGAGGTGCAGGTGATCACACACCACATGCAGC  
GCTACGCCGTCTGGTTTGGAGGCTCTATGCTCGCCTCGACTCCGGAGTCTTTTCAGGTCTGCCACACCAA  
GAAGGACTATGAGGAATACGGCCCCAGCATCTGCCCCACAACCCCGTCTTCGGAGTCATGTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216620 representing NM\_001191860  
Red=Cloning site Green=Tags(s)

MAGSLPPCVVDCGTGYTKLGYAGNTEPQFIIPSCIAIRESAKVVDQAQRRVLRGVDDLDFFIGDEAIDKP  
 TYATKWPIRHGIVEDWDLMERFMEQVVFVKYLRAPEDHYFLMTEPPLNTPENREYLAEIMFESFNVPGLY  
 IAVQAVLALAASWTSRQVGERTLTGIVIDSGDGVTHVIPVAEGYVIGSCIKHIPIAGRDTITYFIQQLRE  
 REVGIPEQSLETAKAIKEKYCYICPDIVKEFAKYDVPDRKWKIKQYTGINAINQRKFIIDVGYERFLGPE  
 IFFHPEFANPDFMESISDVVDEVIQNCPI DVRRPLYKNI VLSGGSTMFRDFGRRLQRDLKRVVDARLKLS  
 QELSGGRIPKPKPEVQVITHMQRYAVWFGGSM LASTPEFFQVCHTKKDYEEYGPSICRHNPFVFGVMS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

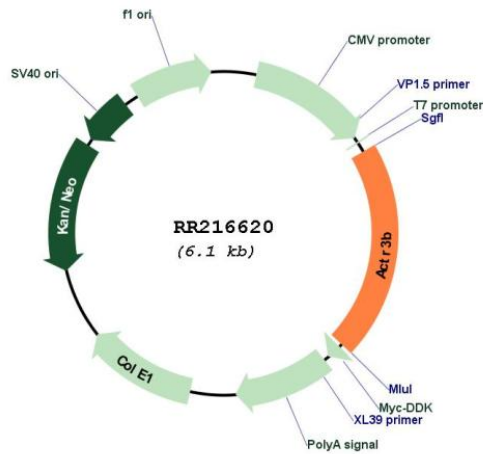
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001191860

<b>ORF Size:</b>	1254 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001191860.1</a> , <a href="#">NP_001178789.1</a>
<b>RefSeq Size:</b>	1498 bp
<b>RefSeq ORF:</b>	1257 bp
<b>Locus ID:</b>	362298
<b>Cytogenetics:</b>	4q11
<b>MW:</b>	47.6 kDa