

## Product datasheet for RR210041

### Actb (NM\_031144) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Actb (NM_031144) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Actb
Synonyms:	Actx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR210041 representing NM_031144 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGACGATATCGTGCCTCGTCGTCGACAACGGCTCCGGCATGTGCAAGGCCGGCTTCGGGGCG  
ACGATGCTCCCCGGGCCGTCTTCCCTCCATCGTGGGCCGCCCTAGGCACCAGGGTGTGATGGTGGGAT  
GGGTCAGAAGGACTCCTACGTGGCGCAGAGGCCAGAGCAAGAGAGGCATCCTGACCCTGAAGTACCCC  
ATTGAACACGGCATTGTCACTACTGGACGATATGGAGAAGATTTGGCACCACACTTTCTACAATGAGC  
TGGTGTGGCCCTGAGGAGCACCTGTGCTGCTCACCGAGGCCCTCTGAACCTAAGCCAACCGTGA  
AAAGATGACCCAGATCATGTTTGGACCTTCAACACCCAGCCATGTACGTAGCCATCCAGGCTGTGTTG  
TCCTGTATGCCTCTGGTTCGACTGACCTGATGATGGACTCCGGAGACGGGGTACCCACACTGTGC  
CCATCTATGAGGGTTACGCGCTCCCTCATGCCATCCTGCGTCTGGACCTGGCTGGCCGGGACCTGACAGA  
CTACCTCATGAAGATCCTGACCGAGCGTGGCTACAGCTTACCACCACAGCTGAGAGGAAAATCGTGCCT  
GACATTAAGAGAAGCTGTGCTATGTTGCCCTAGACTTCGAGCAAGAGATGGCCACTGCCGATCCTCTT  
CCTCCCTGGAGAAGACTATGAGCTGCCTGACGGTCAGGTCATCACTATCGGCAATGAGCGGTTCCGATG  
CCCCGAGGCTCTTCCAGCCTCCTCCTGGGTATGGAATCCTGTGGCATCCATGAAACTACATTCAAT  
TCCATCATGAAGTGTGACGTTGACATCCGTAAGACCTCTATGCCAACACAGTGTGCTGGTGGCACCA  
CCATGTACCCAGGCAATTGCTGACAGGATGCAGAAGGAGATTACTGCCCTGGCTCCTAGCACCATGAAGAT  
CAAGATCATTGCTCCTCCTGAGCGCAAGTACTCTGTGTGGATTGGTGGCTCTATCCTGGCCTCACTGTCC  
ACCTTCCAGCAGATGTGGATCAGCAAGCAGGAGTACGATGAGTCCGGCCCTCCATCGTGCACCGCAAAT  
GCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

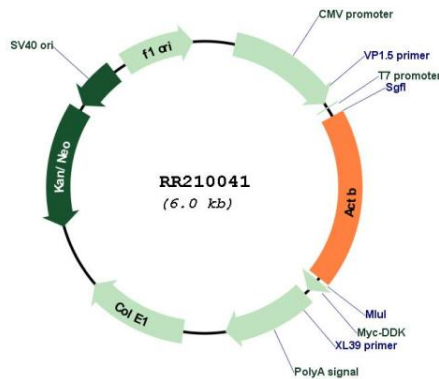


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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded 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>	<u><a href="#">NM_031144.3</a></u> , <u><a href="#">NP_112406.1</a></u>
<b>RefSeq Size:</b>	1296 bp
<b>RefSeq ORF:</b>	1128 bp
<b>Locus ID:</b>	81822
<b>UniProt ID:</b>	<u><a href="#">P60711</a></u>
<b>Cytogenetics:</b>	12p11
<b>MW:</b>	42.2 kDa
<b>Gene Summary:</b>	mRNA expression increases following axon injury; may play a role in acceleration of axonal outgrowth [RGD, Feb 2006]

**Product images:**



Circular map for RR210041