

## Product datasheet for **MR206906**

### Actr5 (BC052039) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Actr5 (BC052039) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Actr5
Synonyms:	AA545173; B430109J19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206906 representing BC052039  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGCCAACGTGTTCCGCTTCCGAGATGCCCGCTCTGCTCCGGATCCCGTGCTCGAAGCCGGGCCGG  
 TGGCCTTCGGGTCGCAGCCGGTGCCTCTGGTGTGGACAACGGGTCGTTCCAGGCTCGGGCCGGGTGGC  
 GTGCCCGGGCCGACCCCGGTCCCGAGCCTCGCCTGCAGTTCGCGCCGTGTGTGCGCGCGCCCGCGG  
 GGGGCGCGCGGGCCGGGGCCGAGGTGGGCAACGCGCTGGGAAGCCTGGAGCCTCTGCGCTGGATGC  
 TGCCTCGCCCTTCGATCGCAACGTCCCGGTCAACCTGGAAGTGCAGGAAGTGTGCTGGACTACAGCTT  
 CCAGCACCTCGGCGTCTCCTCGCAGGGCTGCGTTGATCATCCCATAGTTCTGACAGAGGCTGTGTAAAC  
 CCCCTCTACTCCCGTCAAATGATGTGCGAGCTCCTTTTCGAATGTACAGGATCCCGAAGGTTGCATATG  
 GGATAGACAGCCTCTTCAGCTTCTACCACAACGTGCCAAGAATGCCCTTCCAGCGCCCTCATCATTTT  
 ATCCGGCTACAGTGCACACACATCTTACCGGTCTTGAAGGGAGGCTCGATGCCAAAAGTGAAGCGC  
 ATCAATCTTGAGGAAGTCAGGCAGCTGGCTACCTGCAGCGGCTTCTCCAGCTGAAGTATCCAGGCCACC  
 TGGCAGCCATCACACTCAGCCGATGGAGGAGATCCTGCAGGAGCATAGTACATTGCCGAGGACTACGG  
 GGCAGAATTGCAGAAGTGGCAGTGTCCCGATTACTACGAGAACAATGTCCACAAGATGCAGCTCCCGTTC  
 TCCAGCAAGCTCCTGGCAGCACACTGACGGCGGAGGAGAAGCAGGAGCGCGGCAGCAGCTGCGCC  
 GGCTGCAAGAGCTCAACGCCCGGCGGAGGGAGGAGAAGCTGCAGCTGGATCAGGAGCGGCTGGAGCGGCT  
 GTTGTATGTGCAGGAGCTCCTAGAGGAAGGACAGATGGACCAGTTTCACAAAGCTCTGATCGAGCTGAAC  
 ATGGACTCCCCAGAAGAAGTGCAGTCTACATACAGAAGCTCACCTTGGCGGTGGAGCAGGCCAAACAGA  
 AAATCCTGCAGGCCGAAGCCAGCCTGGAGTGGATGTGGTAGACAGCAAGCCAGAGACCCCTGACCTGGA  
 GCCGCTGGAACCCACCATGGAGGATGTGGAGAACATCAGTGATTCGAGCCTTTGTTCTCGGAGGAAACG  
 CCCGAAGTGGAGAAGCCCAAGTACCACAGTCCAGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206906 representing BC052039  
 Red=Cloning site Green=Tags(s)

MEANVFRFRDARSAPDPVLEAGPVAFGSQPVPLVLDNGSFQARAGWACPGPDGPEPRLQFRAVCARGRG  
 GARGGPGPVGNALGSLEPLRWMLRSPFDRNVPVNLQELLLDYSFQHLGVSSQGCVDHPVILTEAVCN  
 PLYSRQMMSELLFECYRIPKVAYGIDSLFSFYHNVKPNALSSGLIISGGYQCTHILPVLEGRDLDAKNCKR  
 INLGGQAAGYLQRLQLKYPGLAAITLSRMEEILQEHSYIAEDYGAELQKWQCPDYENNVMHMQLPF  
 SSKLLGSTLTAEKQERRQQQLRRLQELNARRREEKLQLDQERLERLLYVQELLEEGQMDQFHKALIELN  
 MDSPEELQSYIQKLTAVEQAKQKILQAEASLEVDVDSKPEPTDLEPLEPTMEDVENISDFEPLFSEET  
 PEVEKPQVTTVQV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**ACCN:** BC052039

**ORF Size:** 1299 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:** [BC052039](#)
**RefSeq Size:** 2949 bp

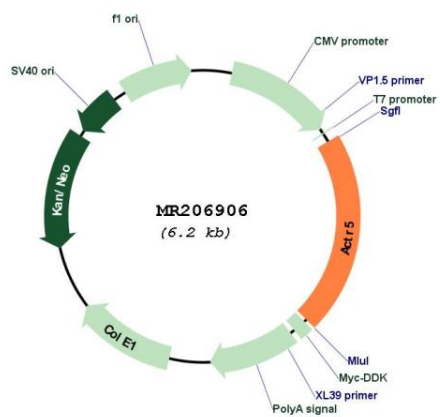
**RefSeq ORF:** 1301 bp

**Locus ID:** 109275

**Cytogenetics:** 2 H1

**MW:** 108.1 kDa

Product images:



Circular map for MR206906