

Product datasheet for **MR218817**

Actr5 (NM_175419) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Actr5 (NM_175419) 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:

>MR218817 representing NM_175419
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGAGGCCAACGTGTTCCGCTTCCGAGATGCCCGCTCTGCTCCGGATCCCGTGCTCGAAGCCGGGCCG
 TGGCCTTCGGGTCGCAGCCGGTGCCTCTGGTGCTGGACAACGGGTCGTTCCAGGCTCGGGCCGGGTGGC
 GTGCCCCGGGCCGACCCGGTCCCGAGCCTCGCTGCAGTTCGCGCCGTGTGTGCGCGCGGCCGCGC
 GGGGCGCGCGGGCCGGGGCCGAGGTGGGCAACGCGCTGGGAAGCCTGGAGCCTCTGCGCTGGATGC
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 ATCAATCTTGGAGGAAGTCAGGAGCTGGCTACCTGCAGCGGCTTCTCCAGCTGAAGTATCCAGGCCACC
 TGGCAGCCATCACACTCAGCCGATGGAGGAGATCCTGCAGGAGCATAGTACATTGCCGAGGACTACGG
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 TGCCCGTGAAGTGGCCTTGGATCACCTAGAAGACAGTGGAGCCTGGGTACCAGGAAGGACTATGAAGAA
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 CCTCACGTGCTCAGAGACGAGACTTCCGGCCGAGGCTCCAGGCCAGTGAAGTGGGCTGGTATCA
 GGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218817 representing NM_175419
 Red=Cloning site Green=Tags(s)

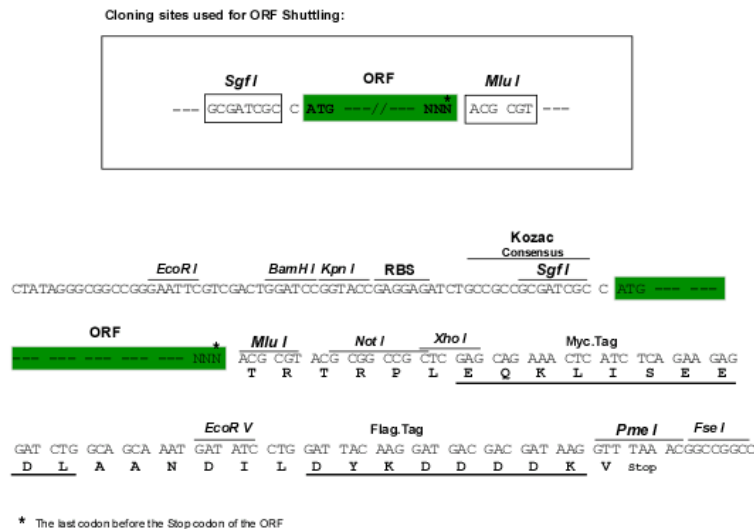
MEANVFRFRDARSAPDPVLEAGPVAFGSQPVPLVLDNGSFQARAGWACPGPDGPPEPRLQFRAVCARGRG
 GARGGPGPQVGNALGSLEPLRWMLRSPFDRNPVNLELQELLLDYSFQHLGVSSQGCVDHPVLTEAVCN
 PLYSRQMMSELLFECYRIPKVAYGIDSLFSFYHNPKNALSSGLIISGYQCTHILPVLEGRLDAKNCKR
 INLGGQAAGYLQRLQLKYPGHLAAITLSRMEEILQEHSYIAEDYGAELQKWQCPDYENNVMHMQLPF
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 MDSPEELQSYIQKLTLAVEQAKQKILQAEASLEVDVDSKPTPDLEPLEPTMEDVENISDFEPLFSEET
 PEVEKPQVTTVPVFNLAAYHQLSVGTERIRAPEIIFQPSLIGEEQAGIAETLHFVLDPRYKAIQDTLVQ
 NVFLTGGNVMYPGMKARVEKELLEMRPFQSSFQVQLASNPVLDWYGARDWALDHLSDGAWVTRKDYEE
 KGGEYLKEHCASNTYVPIRLPKQASRASETQTSRGSASGSGAGDQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9091_f04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175419

ORF Size: 1824 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.

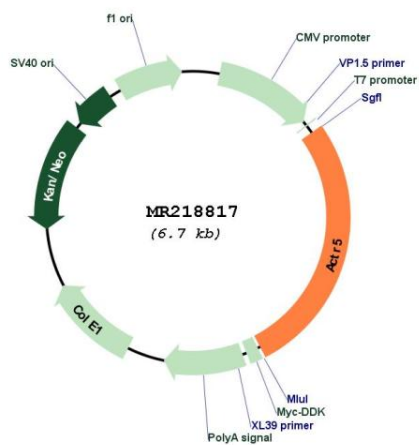
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_175419.4](#), [NP_780628.3](#)

RefSeq Size: 2381 bp

RefSeq ORF: 1827 bp
 Locus ID: 109275
 Cytogenetics: 2 H1
 MW: 68.2 kDa

Product images:



Circular map for MR218817