

Product datasheet for **MG218817**

Actr5 (NM_175419) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Actr5 (NM_175419) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Actr5
Synonyms:	AA545173; B430109J19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218817 representing NM_175419
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGAGGCCAACGTGTTCCGCTTCCGAGATGCCCGCTCTGCTCCGGATCCCGTGCTCGAAGCCGGGCCGG
 TGGCCTTCGGGTCGCAGCCGGTGCCTCTGGTGCTGGACAACGGGTCGTTCCAGGCTCGGGCCGGGTGGGC
 GTGCCCCGGGCCGACCCGGTCCCGAGCCTCGCTGCAGTTCGCGCCGTGTGTGCGCGCGGCCCGCGC
 GGGGCGCGCGCGGGCCGGGCGCAGGTGGGCAACGCGCTGGGAAGCCTGGAGCCTCTGCGCTGGATGC
 TCGCTCGCCCTTCGATCGCAACGTCCCGGTCAACCTGGAAGTGCAGGAAGTCTGCTGGACTACAGCTT
 CCAGCACCTCGGCGTCTCCTCGAGGGCTGCGTTGATCATCCATAGTTCTGACAGAGGCTGTGTGAAC
 CCCCTCTACTCCCGTCAAATGATGTCGGAGCTCCTTTTCGAATGCTACAGGATCCCGAAGGTTGCCTATG
 GGATAGACAGCCTCTTCAGCTTCTACCACAACGTGCCCAAGAATGCCCTTTCAGCGGCCTCATCATTTT
 ATCCGGCTACAGTGCACACACATCTTACCGGTCTTGAAGGGAGGCTCGATGCCAAAAGTGAAGCGC
 ATCAATCTTGGAGGAAGTCAGGCAGCTGGCTACCTGCAGCGGCTTCTCCAGCTGAAGTATCCAGGCCACC
 TGGCAGCCATCACACTCAGCCGATGGAGGAGATCCTGCAGGAGCATAGTACATTGCCGAGGACTACGG
 GGCAGAATTGCAGAAGTGGCAGTGTCCGATTACTACGAGAACAATGTCCACAAGATGCAGCTCCCGTTC
 TCCAGCAAGCTCCTGGGAGCAGCACTGACGGCGGAGGAGAAGCAGGAGCGCGGCAGCAGAGCTGCGCC
 GGCTGCAAGAGCTCAACGCCCGGCGGAGGGAGGAGAAGCTGCAGCTGGATCAGGAGCGGCTGGAGCGGCT
 GTTGTATGTGCAGGAGCTCCTAGAGGAAGGACAGATGGACCAGTTTCACAAAGCTCTGATCGAGCTGAAC
 ATGGACTCCCCAGAAGAACTGCAGTCTACATACAGAAGCTCACCTTGGCGGTGGAGCAGGCCAAACAGA
 AAATCCTGCAGGCCGAAGCCAGCTGGAGGTGGATGTGGTAGACAGCAAGCCAGAGACCCCTGACCTGGA
 GCGCTGGAACCCACCATGGAGGATGTGGAGAACATCAGTGATTTCGAGCCTTTGTTCTCGGAGGAAACG
 CCCGAAGTGGAGAAGCCCAAGTACCACAGTCCAGCCCGTGTTTAACTTGGCAGCGTATCATCAGCTGT
 CTGTTGGGACAGAGAGGATCCGTGCTCCGAGATTATTTTCCAGCCATCCCTCATAGGAGAGGAGCAGGC
 GGGGATTGCAGAGACCCTCCATTTTGTCTGGACAGGTACCCAAAGGCCATTGAGACACCCTGGTTCAG
 AACGTTTTCTTACCGGTGGGAACGTGATGTACCCAGGCATGAAGGCCGAGTGGAGAAGGAGCTGCTGG
 AGATGAGGCCCTTCCAGTCTCCTTCCAGTTCAGCTCGCCTCGAACCCTGTGCTGGATGCGTGGTACGG
 TGCCCGTGAAGTGGCCTTGGATCACCTAGAAGACAGTGGAGCCTGGGTACCAGGAAGGACTATGAAGAA
 AAGGGGGCGAGTACCTCAAGGAACATTGCGCCTCCAACACGTACGTCCCATCCGCTGCCTAAGCAGG
 CCTCACGTGCTCAGAGACGCACTTCCGGCCGAGGCTCCAGCGCCAGTGAAGTGGGGCTGGTATCA
 GGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218817 representing NM_175419
 Red=Cloning site Green=Tags(s)

MEANVFRFRDARSAPDPVLEAGPVAFGSQPVPLVLDNGSFQARAGWACPGPDGPPEPRLQFRAVCARGRG
 GARGGPGPQVGNALGSLEPLRWMLRSPFDRNPVNLELQELLLDYSFQHLGVSSQGCVDHPVLTEAVCN
 PLYSRQMMSELLFECYRIPKVAYGIDSLFSFYHNPKNALSSGLIISGYQCTHILPVLEGRLDAKNCKR
 INLGGQAAGYLQRLQLKYPGHAAITLSRMEEILQEHSYIAEDYGAELQKWQCPDYENNVMHMQLPF
 SSKLLGSTLTAEKQERRQQQLRRLQELNARRREEKLQDQERLERLLYVQELLEEGQMDQFHKALIELN
 MDSPEELQSYIQKLTLAVEQAKQKILQAEASLEVDVVDSPETPDLEPLEPTMEDVENISDFEPLFSEET
 PEVEKPVQTTVPVFNLAAYHQLSVGTERIRAPEIIFQPSLIGEEQAGIAETLHFVLDPRYKAIQDTLVQ
 NVFLTGGNVMPGMKARVEKELLEMRPFQSSSQVQLASNPVLDWYGGARDWALDHLEDSGAWVTRKDYEE
 KGGEYLKEHCASNTYVPIRLPKQASRASETQTSRGSASGSGAGDQA

TRTRPLE – GFP Tag – V

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](#)

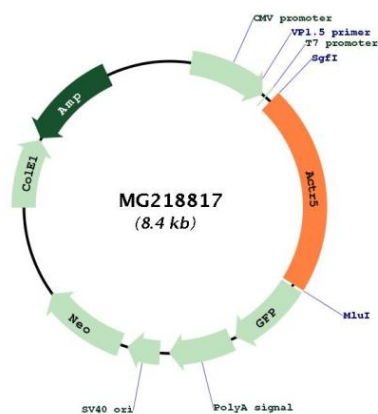
RefSeq Size: 2381 bp

RefSeq ORF: 1827 bp

Locus ID: 109275

Cytogenetics: 2 H1

Product images:



Circular map for MG218817