

Product datasheet for **MC217684**

Actg1 (BC003337) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Actg1 (BC003337) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Actg1
 Synonyms: MGC28612, E51, Actg
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >BC003337
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGAAGAAATCGCCGCACTCGTCATTGACAATGGCTCCGGCATGTGCAAAGCCGGCTTTGCTGGCG
 ACGACGCCCCAGGGCCGTGTTCCCTTCCATCGTAGGGCGCCCCGACACCAGGGCGTCATGGTGGGCAT
 GGGCCAGAAAGACTCATACGTGGGTGACGAGGCCAGAGCAAGAGGGGTATCCTGACCCTGAAGTACCTT
 ATCGAACACGGCATTGTCACTAACTGGGACGACATGGAGAAGATCTGGCACCACACCTTCTACAATGAGC
 TGGCTGTGGCTCCTGAGGAGCACCCGGTCTTCTGACCGAGGCCCCCTGAACCCCAAAGCTAACAGAGA
 GAAGATGACGCAGATAATGTTTGAACCTTCAATACCCAGCCATGTACGTGGCCATTACGGCGGTGCTG
 TCCTTGTATGCATCTGGGCGCACCACTGGCATTGTGATGGACTCTGGTGACGGGGTACACACACAGTGC
 CCATCTATGAGGGCTACGCCCTTCCCCACGCCATCTTGGCTGACCTGGCTGGCCGGGACCTGACAGA
 CTACCTCATGAAGATCCTGACTGAACGGGGCTACAGCTTACCACCCTGCTGAGAGGGAAATTGTTGCT
 GACATAAAGGAGAAGCTGTGCTATGTTGCCCTGGATTTGAGCAAGAAATGGCTACTGCTGCATCATCTT
 CCTCCTTGGAGAAGAGTACGAGCTGCCGACGGCAGGTGATCACCATTGGCAATGAGCGGTTCCGGTG
 TCCGGAGGCACTTCCAGCCTTCTTCCGTCGGCATGGAGTCTGTGGTATCCATGAGACCACTTTCAAC
 TCCATCATGAAGTGTGATGTGGATATCCGAAAGACCTGTATGCCAATACAGTGTGCTGTTGGTACCA
 CCATGTACCCAGGCATTGCTGACAGGATGCAGAAGGAGATCACAGCCCTAGCACCTAGCACGATGAAGAT
 TAAGATCATTGCTCCCCCTGAGCGCAAGTACTCAGTCTGGATCGGTGGCTCCATTCTGGCCTCACTGTCC
 ACCTTCCAGCAGATGTGGATCAGCAAGCAGGAGTATGATGAGTACGGCCCTCCATCGTCCACCGCAAT
 GCTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	BC003337
Insert Size:	1128 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>BC003337</u> , <u>AAH03337</u>
RefSeq Size:	1903 bp
RefSeq ORF:	1127 bp
Locus ID:	11465
Cytogenetics:	11 E2
Gene Summary:	Actins are highly conserved proteins that are involved in various types of cell motility and maintenance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, alpha, beta, and gamma, have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. Actin, gamma 1, encoded by this gene, is a cytoplasmic actin found in non-muscle cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]