

Product datasheet for **MC222454**

Actn3 (NM_013456) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Actn3 (NM_013456) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Actn3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222454 representing NM_013456
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGATGGTTATGCAGCCCGAGGGTCTGGGGCCGGGAGGGGCCCTTCTCTGGCGGTGGGGCGGCCG
 AGTACATGGAACAGGAGGAGGACTGGGACCGCGACTTGCTGTTGGACCCGGCCTGGGAGAAAACAGCAGCG
 GAAAACCTTCACTGCCTGGTGAACCTCACATCTGCGCAAGGCAGGCACGCAGATCGAGAACATTGAAGAG
 GACTTCCGCAATGGCCTGAAGCTCATGCTGCTCCTGGAGGTCATTTCCGGAGAGAGGCTGCCTAGGCCCG
 ACAAAGGCAAGATGCGCTTCCACAAAATCGCCAATGTCAATAAAGCCCTAGACTTCATTGCCAGCAAAGG
 AGTTAAGCTAGTGCATCGGTGCTGAAGAAATGTTGACGGAACTGAAGATGACCCTGGGCATGATC
 TGGACCATCATCTCCGCTTGGCATTCCAGGACATCTGTAGAAAGAGACCTCAGCCAAAGAAGGCTTGC
 TTCTCTGGTGTGACGGAAAACAGCACCGTACCGCAATGTCAACGTACAGAACTCCATACCAGCTGGAA
 GGATGGCCTGGCCCTCTGTGCTCATCCACCGTACCGGCCAGACCTCATTGACTATGCCAAGCTTCGC
 AAGGATGACCCAATTGGAACCTGAACACTGCCTTCGAGGTGGCAGAGAAATACCTGGACATTCCTAAGA
 TGCTGGATGCAGAAGATATCGTGAACACCCCAAAACCAGATGAGAAAGCCATCATGACCTATGTTTCCTG
 CTTCTACCATGCGTTTGGCTGGGGCTGAGCAGGCAGAGACTGCTGCCAACAGGATCTGCAAGGTCTTAGCT
 GTGAACCAGGAAAATGAGAAGCTGATGGAGGAGTATGAGAAACTGGCCAGTGAGCTGTTGGAGTGGATCC
 GCCGCACTGTCCCATGGCTAGAGAACCCTGGGCGAACCCAGCATGAGTGCCATGCAGCGCAAGCTGGA
 GGACTTCCGAGACTATCGACGCCTGCACAAGCCTCCCGTGTGCAGGAGAAGTCCAGCTGGAGATCAAC
 TTCAACACGCTGCAGACCAAGTTGCGCCTGAGCCACCGACCCGCTTTCATGCCCTCCGAGGGCAAGCTGG
 TTTCCGACATAGCCAATGCGTGGCGGGGACTGGAGCAGTATGAGAAGGGCTATGAGGATTGGCTGTTTC
 GGAGATCAGGCGCTGCAGAGGCTTCAGCACCTGGCTGAGAAGTTCCAACAGAAGGCTTCCTTGCATGAA
 GCTTGGACCCGGGGCAAAGAGGAAATGTTAAACCAGCAGCACTACGAGTACGCTCGCTGCAGGAGTGC
 GTGCGCTCTTGCAGCTCATGAGGCCTTGGAGGCGACCTGGCTGCGACCAAGACCGGGTGAACACAT
 CGCGGCCCTGGCCAGGAACTCAATGAGCTCGACTACCATGAGGCAGCCTCCGTGAACAGCCGCTGCCAA
 GCCATCTGTGACCAGTGGGATAACTTGGGTACTGACCAGAGAGGAGGGACGCACTAGAGAGGATGG
 AGAAGCTCCTGGAGACATTGACCAGCTGCAGCTGGAGTTTGGCTGGCGGGCAGCCCTTCAATAACTG
 GCTGGATGGGGCTATTGAGGACCTGCAGGATGTGTGGCTCGTGCCTCTGTGGAGGAGACCCAGAGCCTG
 CTAAACAGCACACAGTTCAAGGCAAGTTGCCCGAGGCTGATCGAGAGCGAGGCGCCATCCTGGGCA
 TCCAAGGAGAGATCCAGAAGATTTGCCAAACATACGGACTACGGCCAAAGTCCGGCAACCCCTACATCAC
 CCTCAGTTCGCAGGACATCAACAATAAGTGGGATACAGTCAAAAAGCTGGTACCCAGCCGTGACCAGACA
 CTGCAGGAGGAGCTGGCCCGGCAGCAGGTGAACGAGAGGCTCCGGCGACAGTTTGCAGCCAGGCTAATG
 CCATAGGACCCTGGATCCAGGAAAAGTGGAGGAAGTAGGACGGCTGGCAGCTGGGCTGGCCGGCTCTCT
 GGAGGAGCAGATGGCAGGTCTGCGGCAGCAGGAACAGAACATCATCAATTACAAGAGCAACATCGACCGG
 CTGGAGGGTGACCACCAGCTGCTGCAGGAGAGCCTAGTCTTTGACAACAAGCACACAGTCTACAGCATGG
 AGCACATTCGTGTGGCTGGGAGCAGTTGCTCACCTCCATTGCCCGACCATCAATGAGGTCGAGAACCA
 GGTACTGACCCGAGATGCCAAGGGCCTGAGCCAGGAGCAGCTCAACGAATTCCGCGCCTCCTTCAACCA
 TTTGACCGGAAGCGGAATGGGATGATGGAGCCCGACGACTTCCGAGCTTGTCTCATCTCCATGGGTTACG
 ATCTGGGAGAAGTGGAGTTTGGCTCGAATCATGACCATGGTGGACCCCAATGCAGCTGGGGTTGTGACCTT
 CCAAGCCTTCAATTGACTTCATGACCCGAGAGACTGCCGAGACAGACAGGCTGAACAAGTGGTAGCCTCC
 TTCAAAAATCCTGGCAGGAGACAAGAACTACATTACCCAGAGGAGCTGCGGAGAGAGCTCCAGCCGAGC
 AGGCTGAGTACTGCATCCGTCCGATGGCGCCCTACAAGGATCTGGGGCTCCATCTGGAGCTCTGGACTA
 CGTGGCTTCTCTAGTGCCTCTATGGAGAGAGTGACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013456

Insert Size:	2703 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>NM_013456.2</u> , <u>NP_038484.1</u>
RefSeq Size:	2887 bp
RefSeq ORF:	2703 bp
Locus ID:	11474
UniProt ID:	<u>O88990</u>
Cytogenetics:	19 4.12 cM
Gene Summary:	This gene encodes a member of the alpha-actin binding protein gene family. The encoded protein is primarily expressed in skeletal muscle and functions as a structural component of sarcomeric Z line. This protein is involved in crosslinking actin containing thin filaments. [provided by RefSeq, Sep 2015]