

Product datasheet for **MC222409**

Actn2 (NM_033268) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Actn2 (NM_033268) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Actn2
Synonyms:	1110008F24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222409 representing NM_033268
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATCAGATAGAGCCCGCGTGCAGTACAACACTATGTCTACGACGAAGATGAGTATATGATCCAGGAGG
 AGGAGTGGGACCGCGACCTGCTCCTCGACCCGGCTGGGAGAAGCAGCAGAGGAAGACGTTCACTGCCTG
 GTGCAACTCACACCTGCGAAAGCTGGCACCCAGATCGAGAACATCGAGGAGGATTTTCAGGAACGGCCTC
 AAGCTCATGCTACTTCTAGAAAGTCACTCAGGGGAAAGGCTGCCCAAACCTGACCGGGGAAAAATGCGGT
 TCCACAAGATTGCGAATGTCAACAAGGCTCTGGATTACATAGCCAGCAAGGGAGTGAAGCTGGTATCTAT
 TGGAGCTGAAGAAATAGTCGATGGCAATGTGAAGATGACCCTGGGTATGATCTGGACCATCATCTCCGC
 TTCGCCATTCCAGGACATCTCAGTGAAGAAACATCTGCCAAAGAAGGGCTGCTGCTATGGTGTGAGGGA
 AGACAGCTCCATACAGAAATGTGAATATCCAGAACTTCCACACCAGCTGGAAAGATGGCCTTGGACTCTG
 TGCCCTCATCCACAGACACCGGCCCGACCTCATTGACTACTCAAAGCTTAAACAAGGATGACCCCATAGGA
 AACATTAACCTGGCCATGGAAATAGCAGAGAAGCACTTGGATATCCCTAAGATGTTGGATGCTGAAGACA
 TTGTCAACACTCCCAAACCCGATGAAAGAGCCATCATGACTTACGTTTCCCTGCTTCTACCATGCTTTCGC
 GGGAGCGGAGCAGGCCGAGACAGCAGCTAACAGAATATGTAAGGTTCTTGCTGTGAATCAAGAGAATGAG
 AGGCTGATGGAAGAATATGAGAGGCTAGCGAGTGAAGTGTGGAGTGGATTCGGCGCACAAATCCCCTGGC
 TGGAGAACAGGACGCCTGAGAAGACCATGCAGGCCATGCAGAAGAAGCTGGAGGACTTCCGGGATTACCG
 TCGTAAGCATAGCCCCCAAGGTGCAGGAGAAGTCCAGCTGGAGATCAACTTCAACACGCTGCAGACC
 AAGCTTCGGATCAGCAACCGGCCCGCTTCATGCCCTCCGAGGGCAAGATGGTGTGCGACATTGCTGGTG
 CGCTTGGAGCACTTGGCTGAGAAGTTCAGGCAGAAAGGCTCCACGCACGAGACATGGGCTTATGGCAAA
 GAACAGATCTTGCTGCAGAAGGACTACGAGTCTCGCTCCCTGACGGAAGTTCGAGCCCTACTTCGGAAGC
 ACGAGGCCCTTGAGAGCGACCTGGCTGCACACCAGGACCGCTGGAGCAGATCGCTGCCATTGCGCAGGA
 GCTCAATGAAGTGGACTATCACGATGCTGTGAACGTCAATGATCGGTGCCAGAAAATTTGCGACCAGTGG
 GATAGATTGGGGACGCTCACCCAGAAGAGGAGGGAGGCCCTGGAGAGAAGTGAAGTTCGGAACAA
 TCGACCAACTGCACCTGGAGTTTGCCAAGAGAGCCGCGCCCTTCAACAAGTGGAGGGAGCCATGGA
 GGACCTGCAGGACATGTTTATTGTCACAGCATCGAGGAGATCCAGAGTCTGATCACTGCACATGAGCAG
 TTCAAGGCCACACTGCCGAGGCCGACGGGAGCGGCAGTCCATCCTGGCCATCCAGAACGAGGTGGAGA
 AGGTGATCCAGAGCTACAGCATCCGGATCAGCTCCAGCAACCCCTACAGCACTGTACCATTGGATGAGCT
 GCGCAACAAGTGGGACAAGGTGAAGCAGCTGGTCCGGTCCGGGATCAGTCCCTGCAGGAGGAGCTGGCT
 CGCCAACATGCTAATGAGCGTCTGCGGCCAGTTTGCTGCTCAGGCCAATGCCATTGGGCCCTGGATCC
 AGAACAAGATGGAGGAGATCGCTCGGAGCTCCATCCAGATCACCGGGGCCCTGGAGGACCAGATGAACCA
 GCTGAAGCAGTACGAACACAACATCATCAACTACAAGAACAACATCGACAAGCTGGAGGGCGACCACCAG
 CTCATCCAGGAGGCCCTGGTCTTCGACAACAAGCACACGAACACACCATGGAGCATATCCGTGTCGGAT
 GGGAGTTGCTGCTGACAACATATCGCCAGAACCATCAATGAGGTGGAGACCCAGATCCTGACAAGAGATGC
 CAAGGGCATCACCCAGGAGCAGATGAATGAGTTCAGAGCCTCCTTCAACCACTTTGACAGGAGGAAGAAC
 GGCTGATGGATCATGAGGATTCAGAGCCTGCCTCATTTCATGGGCTATGACTTGGGTGAAGCTGAAT
 TTGCCCGCATTATGACTTTGGTTGACCCCAACGGACAAGGCACGGTACACCTTCCAGTCTTCATTGACTT
 CATGACTAGAGAGACCGCAGACACCGACACGGCAGAGCAGGTATCGCCTCCTTCCGGATTCTGGCTTCT
 GATAAGCCTTACATCTTGGCAGAGGAGCTTCGTCGAGAGTGCCTCCGGATCAGGCCAGTACTGCATCA
 AGAGAATGCCCCATACTCAGGCCCGGGCAGTGTCCCGGGGCCCTGGACTACACTGCCTTCTCCTCTGC
 CCTTACGGGAAAGCGACCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_033268

Insert Size:	2685 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_033268.4</u> , <u>NP_150371.4</u>
RefSeq Size:	3091 bp
RefSeq ORF:	2685 bp
Locus ID:	11472
UniProt ID:	<u>Q9JI91</u>
Cytogenetics:	13 4.54 cM
Gene Summary:	F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein (By similarity).[UniProtKB/Swiss-Prot Function]