

Product datasheet for **MC227367**

Acta1 (NM_001272041) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acta1 (NM_001272041) Mouse Untagged Clone
Tag: Tag Free
Symbol: Acta1
Synonyms: AA959943; Acta-2; Acts; Actsk-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227367 representing NM_001272041
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGTGCGACGAAGACGAGACCACCGCTCTGTGTGTGACAACGGCTCTGGCCTGGTAAAGCTGGCTTTG
CCGGGGATGATGCCCCAGGGCTGTGTTCCCATCCATCGTGGGCCGACCCGTCACCAGGGTGTGATGGT
AGGTATGGGTGAGAAGGACTCCTACGTGGGTGATGAGGCCAGAGCAAGCGAGGTATCCTGACCCTGAAG
TACCCCATTTGAACATGGCATCATCACCAACTGGGACGACATGGAGAAGATCTGGCACCACACCTTCTACA
ATGAGCTGCGTGTGGCCCTGAGGAGCACCCGACTCTGCTCACCGAGGCCCCCTGAACCCAAAGCTAA
CCGGGAGAAGATGACTCAAATCATGTTTGAGACCTTCAACGTGCCTGCCATGTATGTGGCTATCCAGGCG
GTGCTGTCCCTCTATGCTTCCGGCCGTACCACCGGCATCGTGTGGATTCTGGGGACGGTGTACCCACA
ACGTGCCCATCTATGAGGGCTATGCCCTGCCACACGCCATCATGCGTCTGGACCTGGCCGGTTCGCGACCT
CACTGACTACCTGATGAAAATCCTCACTGAGCGTGGCTATTCCTTCGTGACCACAGCTGAACGTGAGATT
GTGCGCGACATCAAAGAGAAGCTGTGCTATGTGGCCCTGGACTTCGAGAATGAGATGGCCACCGCTGCCT
CTTCTCCTCCCTGGAGAAGAGCTATGAGCTGCCCGAGGGCAGGTATCACCATCGGCAATGAGCGTTT
CGTTGCCCGGAGACGCTTCCAGCCTCCTTTATCGGTATGGAGTCTGCGGGGATCCATGAGACCACC
TACAACAGCATCATGAAGTGCGACATCGACATCAGGAAGGACCTGTATGCCAACAACGTCATGTCAGGGG
GCACCACCATGTACCCTGGTATCGCTGACCGCATGCAGAAGGAGATCACAGCTCTGGCTCCAGCACCAT
GAAGATCAAGATCATCGCCCCCTGAGCGCAAGTACTCAGTGTGGATCGGTGGCTCCATCCTGGCCTCG
CTGTCCACCTTCCAGCAGATGTGGATCACCAAGCAGGAGTACGACGAGGCTGGCCCTCCATTGTGCACC
GCAAATGCTT**C**TA**G**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



ACCN:	NM_001272041
Insert Size:	1134 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001272041.1</u> , <u>NP_001258970.1</u>
RefSeq Size:	1571 bp
RefSeq ORF:	1134 bp
Locus ID:	11459
UniProt ID:	<u>P68134</u>
Cytogenetics:	8 72.26 cM
Gene Summary:	<p>Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.</p>