

Product datasheet for MC205712

Acta1 (NM_009606) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acta1 (NM_009606) Mouse Untagged Clone
Tag: Tag Free
Symbol: Acta1
Synonyms: AA959943; Acta-2; Acts; Actsk-1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC014877
 CTCACCTTCCCTACCCTCGGCACCCAGGGCCAGAGTCAGAGCAGCAGAACTAGACACCATGTGCGACGAAG
 ACGAGACCACCGCTCTTGTGTGTGACAACGGCTCTGGCCTGGTGAAGCTGGCTTTGCCGGGATGATGC
 CCCCAGGGCTGTGTTCCCATCCATCGTGGGCCGACCCCGTCACCAGGGTGTGATGGTAGGTATGGGTCAG
 AAGGACTCCTACGTGGGTGATGAGGCCAGAGCAAGCGAGGTATCCTGACCCCTGAAGTACCCATTGAAC
 ATGGCATCATACCAACTGGGACGACATGGAGAAGATCTGGCACCACACCTTCTACAATGAGCTGCGTGT
 GGCCCTGAGGAGCACCCGACTCTGCTCACCGAGGCCCCCTGAACCCAAAGCTAACGGGAGAAGATG
 ACTCAAATCATGTTTGGACCTTCAACGTGCCATGTATGTGGCTATCCAGGCGGTGCTGTCCTCT
 ATGCCCTCCGGCCGTACCACCGGCATCGTGTGGATTCTGGGGACGGTGTACCCACAACGTGCCATCTA
 TGAGGGCTATGCCCTGCCACACGCCATCATGCGTCTGGACCTGGCCGGTCCGACCTCACTGACTACCTG
 ATGAAAATCCTCACTGAGCGTGGCTATTCCTTCGTGACCACAGCTGAACGTGAGATTGTGCGCGACATCA
 AAGAGAAGCTGTGCTATGTGGCCCTGGACTTCGAGAATGAGATGGCCACCCTGCTCTTCTCCTCCCT
 GGAGAAGAGCTATGAGCTGCCTGACGGGCAAGTATCACCATCGCAATGAGCGTTTCCGTTGCCGGAG
 ACGCTCTTCCAGCCTTCCCTTATCGGTATGGAGTCTGCGGGGATCCATGAGACCCTACAACAGCATCA
 TGAAGTGCACATCGACATCAGGAAGGACCTGTACGCCAACACGTATGTGAGGGGACACCACCATGTA
 CCCTGGTATCGCTGACCGCATGCAGAAGGAGATCACAGCTCTGGCTCCCAGCACCATGAAGATCAAGATC
 ATCGCCCCCTGAGCGCAAGTACTCAGTGTGGATCGGTGGCTCCATCCTGGCCTCGCTGCCACCTTCC
 AGCAGATGTGGATCACCAAGCAGGAGTACGACGAGGCTGGCCCTCCATTGTGCACCGCAATGCTTCTA
 GGCGCACCCGCGACTGCGTTTCGCGCTCTCTCCTCAGGACGACAATCGACAATCGTGTGGTTGACG
 GGTGGCCCCGCTCCTCCGCGTGGCTCCATCGCCGCCACTGCAGCCGCGCCTGTTTTGACGTGTACATA
 GATTGACTCGTTTTACCTCATTTTGTATTTTTCAAACAAGCCCTGTGGAAAGGAAATGGAAAACCTGA
 AGCATTAAAGCCAGCATTCTGTTTTGCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_009606
Insert Size: 1134 bp



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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:	BC014877 , AAH14877
RefSeq Size:	1457 bp
RefSeq ORF:	1134 bp
Locus ID:	11459
UniProt ID:	P68134
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 (2) differs in the 5' UTR compared to variant 1. 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>