

Product datasheet for MC200368

Actg2 (BC002042) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Actg2 (BC002042) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Actg2 |
| Synonyms: | SMGA, ACTA3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >BC002042 |

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GCCAAAGACACCACGGCCCTCAGTCTCTCGGAGAAGGACTTCTCACACCCTTGGTGTCCAGCCCCAGC
TCATTCACCGCTCCCACCATGTGTGAAGAAGAGACCACCGCCCTGTGTGTGACAAATGGCTCTGGCCTG
TGCAAGGCAGGCTTTGCAGGAGATGATGCCCCAGGGCTGTCTTCCCTCCATTGTGGGCCGCCCTAGAC
ATCAGGGTGTGATGGTGGGAATGGGCCAGAAAGACAGCTATGTGGGGGACGAGGCTCAGAGCAAGCGTGG
GATCCTAACTCTCAAGTACCCTATTGAACATGGCATCATCACCAACTGGGATGACATGGAGAAGATCTGG
CACCCTCCTTCTACAATGAGCTTCGAGTAGCACCAGAAGAGCACCCACCCTGCTCACAGAGGCCCCCC
TAAACCCCAAAGCAAACAGGGAGAAGATGACCCAGATCATGTTGAAACCTTCAATGTCCCTGCCATGTA
TGTTGCTATTGAGGCTGTGCTCTACTCTATGCATCCGGCCGTACCACAGGCATCGTCTGGATTGGGG
GATGGCGTCACCCACAATGTCCCCTCTATGAGGGCTATGCACTGCCCATGCCATCATGCGTCTTGACC
TGGCTGGACGGGATCTCACAGACTACCTCATGAAGATTCTCACAGAAAGAGGCTATTCCTTTGTGACCAC
AGCTGAGAGAGAAATGTACGAGACATCAAGGAGAAGCTGTGCTATGTAGCCCTGGATTTGAGAATGAG
ATGGCCACAGCAGCTTCACTTCTTCCCTGGAGAAAAGCTACGAGTTGCCTGATGGGCAGGTCATCACTA
TTGGCAACGAACGCTTCCGCTGCCCGGAGACCCTTCCAGCCTTCTTCAATGGCATGGAGTCAGCTGG
AATTTCATGAAACAACATAACAATCCATCATGAAGTGTGACATTGACATCCGCAAAGATTTGTATGCTAAC
AATGTCCTCTCTGGGGCACTACCATGTACCCTGGCATTGCTGACAGGATGCAGAAGGAAATCACAGCCT
TGGCTCCCAGCACCATGAAGATCAAGATTATCGCTCCTCTGAGCGGAAGTACTCAGTCTGGATTGGCGG
CTCCATCTGGCCTCTCTCCACCTTCCAGCAAATGTGGATCAGCAAGCCAGAGTATGATGAGGCAGGG
CCCTCCATTGTCCACAGGAAATGCTTCTAAAGTCAGAGGGCCTTCTCTGGGGATCCCCACAAGACTGCTG
TCACCAGCCACAGATCATTAAACCTTCAAGCCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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| Restriction Sites: | RsrII-NotI |
| ACCN: | BC002042 |
| Insert Size: | 1131 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: | <u>BC002042</u> , <u>AAH02042</u> |
| RefSeq Size: | 1319 bp |
| RefSeq ORF: | 1131 bp |
| Locus ID: | 11468 |
| Cytogenetics: | 6 35.94 cM |
| Gene Summary: | 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] |