

## Product datasheet for RN213916

### Actg1 (NM\_001127449) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Actg1 (NM\_001127449) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Actg1  
 Synonyms: Actg  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN213916 representing NM\_001127449  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAAGAAGAAATCGCCGCCCTCGTCATTGACAATGGCTCCGGCATGTGCAAAGCTGGCTTTGCTGGG  
 ACGACGCCCCAGGGCCGTGTTTCCTTCCATCGTCGGGCGCCCCGACACCAGGGTGTATGGTGGGCAT  
 GGGCCAGAAAGACTCGTACGTGGGTGATGAGGCCAGAGCAAGAGGGTATTCTGACCCTGAAGTACCT  
 ATTGAGCACGGCATTGTACCAACTGGGACGACATGGAGAAGATCTGGCACCACACCTTCTACAAGGAGC  
 TGGCTGTGGCCCTGAGGAGCACCCGGTCTTCTGACCGAGGCCCCCTGAACCCCAAAGCTAACAGAGA  
 GAAGATGACGCAGATAATGTTTGAACCTTCAATACCCAGCCATGTACGTGGCCATTACGGCGGTGCTC  
 TCCTTGTATGCATCTGGGCGTACCCTGGCATTGTATGGACTCTGGTGACGGGGTACACACACAGTGC  
 CCATCTATGAGGGCTACGCCCTTCCCCACGCCATCTTGGCTCTGGACCTGGCTGGCCGGGACCTGACAGA  
 CTACCTCATGAAGATCCTGACTGAAAGGGGCTACAGCTTACCACCCTGCTGAGAGGGAAATTGTTGCT  
 GACATAAAGGAGAAGCTGTGCTATGTTGCCCTGGATTTGAGCAAGAAATGGCTACTGCTGCATCATCTT  
 CCTTTTGGAGAAGAGTTATGAGCTGCCTGATGGCAGGTGATCACCATTGGCAATGAGCGCTTCCGGTG  
 TCCAGAGGCTCTTCCAGCCTTCTTCCCTGGCATGGAGTCTGTGGCATCCACGAGACCACCTTCAAC  
 TCCATCATGAAGTGTGATGTGGACATCCGCAAAGACCTGTATGCCAACACAGTGTGTCTGGTGGTACCA  
 CCATGTATCCAGGCATTGCTGACAGGATGCAGAAGGAGATCACAGCCCTGGCTCCCAGCACAATGAAGAT  
 TAAGATCATTGCTCCTCTGAACGCAAGTACTCAGTCTGGATTGGCGGCTCCATCTGGCCTCACTGTCC  
 ACCTTCCAGCAGATGTGGATCAGCAAGCAGGAGTATGACGAGTACGGCCCTCCATTGTCCACCGCAAT  
 GCTTCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



[View online >](#)

<b>ACCN:</b>	NM_001127449
<b>Insert Size:</b>	1128 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001127449.1</a></u> , <u><a href="#">NP_001120921.1</a></u>
<b>RefSeq Size:</b>	1909 bp
<b>RefSeq ORF:</b>	1128 bp
<b>Locus ID:</b>	287876
<b>UniProt ID:</b>	<u><a href="#">P63259</a></u>
<b>Cytogenetics:</b>	10q32.3
<b>Gene Summary:</b>	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]