

## Product datasheet for **RN210952**

### **Amph (NM\_022217) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Amph (NM_022217) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Amph
Synonyms:	Amph1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN210952 representing NM\_022217  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGACATCAAGACGGGCATCTTCGCCAAAAACGTGCAAAAGCGGCTCAACCGGCACAGGAAAAGG  
 TCCTCCAGAAGCTGGGAAAGGCAGATGAAACAAAAGATGAACAGTTTGAAGAATATGTTCCAGAACTTCAA  
 GCGGCAAGAGGCAGAGGGTACCAGACTTACGCGAGAAGTCCGAGGATATTTAGCGGCAATCAAAGGTATG  
 CAGGAGGCCTCAATGAAGCTTACCAGTCACTACATGAAGTCTACGAGCCAGATTGGTATGGACGGGAAG  
 ATGTAAGATGGTTGGTGAAGTGTGATGTGCTGTGGGAAGACTTCCATCAAAGCTAGTGGATGGGTC  
 CTTGCTGACACTGGACACGTACCTGGGCCAGTTTCTGACATAAAGAATCGCATCGTAAGCGCAGCAGG  
 AAGCTCGTGGATTACGACAGTCCCGCCATCACCTGGAGGCTCTGCAGAGTTCCAAAAGGAAGGATGAGA  
 GTCGGATCTAAGGCAGAAGAGGAGTTTCAGAAAGCACAGAAAGTGTGTTGAAGAGTTCAATGTTGACTT  
 ACAAGAAGAATTGCCATCACTATGGTCAAGACGAGTTGGGTTTTATGTCAATACTTTCAAAAACGTCTCT  
 AGCCTTGAGGCCAAGTTTCAAGGAAAATCGCAGTGCTTTGCCACAAGCTTTATGAAGTGTAGCAGAAAC  
 TTGGTGATCAGCAGCTGACAAGGCCTTCAAGATTCAAGGAGCTCCAGTGATTCCGGTCTCTTCGCAT  
 TGCAAAGACACCATCACCCAGAGGAGGCTTACCCCTCCAGCCCAACGGCTAGTCCCAACACACA  
 TTAGCACCTGCATCTCCTGCCAGTGCAGCCAGATCACCTTACAGACAAGGAAAGGGCTCCTGTCC  
 CACCTCTGCCTAAAGTCAACCAAGGAAGTACAGCAGGAGAATCATCAATTTCTTTGAGGACAA  
 CTTTGTACCAGAAATCAATGTGACAACCTTCCAGAAATGAAGTCTGGAGGTGAAGAAGGAGGAGACT  
 TTGCTGGATTTGGACTTTGACCTTTCAAACCTGATGTGACCCAGCAGGTTCTGCTGCAGCGACCCACT  
 CACCCATGTCTCAGACATTGCCCTGGGACTTATGGACGACAAGCACTGATTTGGTACAACCGGCTTCTGG  
 AGGTTTCGTTTAATGATTTTACCCAGCCCCAGGATACTTCATTATTCACGATGCAGACAGATCAGAATATG  
 GCTGAAACTGAGCAGGCTCTACCTACAGAGCCCCAGGCAGAGGAGCCTCCACCCTGCTGCTGCACCTA  
 CTGCTGGGCTGGACCTTGGGCTAGAGATGGAGGAGCCAAAGGAGGAGGCAGCGATCCCTCCTGGAAGTGA  
 TGCTGGTGAAGTGTGGAACTGAGGGTCCACAGGGGAGGAAGCAGAGGCAGAGAAGGCAGCCCTACCT  
 GCTGGAGAAGGCGAAAGTCTGAGGGAGCCAAAATCGATGTGAAAGCACTGAGCTTGAAGCAGTGAAG  
 GCCCTCAAGCAGCAGAGCTTGAAGCTGGTCTCCTCAGGAAAAGGTCATCCCTTCTGTTGCATAGAGCC  
 AGCCTCAACCATGAAGGAGAAGAACCAAGAAACCACTACGGGTACTGAAACAAGGGAGGCCACTGAG  
 GACGTGGCTCCCAAGGGCCAGCCGGTGAAGCAGGAAGTGGCTACAGAGCCCAGCCCTCTGGATTCTC  
 AGGCTGTACGCCTGCACCAGCAGGTGCTGTGGATGCTTCGCTGTCTGCAGGGGATGCCGCTCAGGAACT  
 GCCTCCTGGCTTTCTCTACAAGGTGAAACTCTGCATGACTTCGAGGCAGCGAACTCTGATGAAGTTACC  
 CTCAAAGGGGTGATGTGGTGTCTGTGGTGCCTCAGACTCAGAAAGCCAGGATGCAGGCTGGTTGG  
 TGGGGGTGAAGGAGTCAGACTGGCTTCACTACAGAGACCTGGCCACATACAAAGGCCTTTTCCAGAGAA  
 CTTACACGACACCTAGAA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_022217

**Insert Size:** 2052 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).

<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_022217.1</a></u> , <u><a href="#">NP_071553.1</a></u>
<b>RefSeq Size:</b>	2052 bp
<b>RefSeq ORF:</b>	2052 bp
<b>Locus ID:</b>	60668
<b>UniProt ID:</b>	<u><a href="#">O08838</a></u>
<b>Cytogenetics:</b>	17q11
<b>Gene Summary:</b>	activates dynamin GTPase activity; may play a role in clatherin mediated endocytosis in synaptic vesicles [RGD, Feb 2006]