

## Product datasheet for **RR210952**

### **Amph (NM\_022217) Rat Tagged ORF Clone**

#### **Product data:**

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



[View online »](#)

**ORF Nucleotide Sequence:**

>RR210952 representing NM\_022217  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGACATCAAGACGGGCATCTTCGCCAAAAACGTGCAAAAGCGGCTCAACCGGCACAGGAAAAGG  
 TCCTCCAGAAGCTGGGAAAGGCAGATGAAACAAAAGATGAACAGTTTGAAGAATATGTTCCAGAATTCAA  
 GCGCAAGAGGCAGAGGGTACCAGACTTACGCGAGAAGTGCAGGATATTTAGCGCAATCAAAGGTATG  
 CAGGAGGCCTCAATGAAGCTTACCAGTCACTACATGAAGTCTACGAGCCAGATTGGTATGGACGGGAAG  
 ATGTAAGATGGTTGGTGAAGTGTGATGTGCTGTGGGAAGACTTCCATCAAAGCTAGTGGATGGGTC  
 CTTGCTGACACTGGACACGTACCTGGGCCAGTTTCTGACATAAAGAATCGCATCGTAAGCGCAGCAGG  
 AAGCTCGTGGATTACGACAGTCCCGCCATCACCTGGAGGCTCTGCAGAGTTCCAAAAGGAAGGATGAGA  
 GTCGGATCTTAAGGCAGAAGAGGAGTTTCAGAAAGCACAGAAAGTGTGTTGAAGAGTTCAATGTTGACTT  
 ACAAGAAGAATTGCCATCACTATGGTCAAGACGAGTTGGGTTTTATGTCAATACTTTCAAAAACGTCTCT  
 AGCCTTGAGGCCAAGTTTACAAGGAAATCGCAGTGCTTTGCCACAAGCTTTATGAAGTGTGACGAAAC  
 TTGGTGATCAGCAGCTGACAAGGCCTTCAAGATTCAAGGAGCTCCAGTGATTCCGGTCTCTTCGCAT  
 TGCAAAGACCATCACCCCCAGAGGAGGCTTCAACCCCTCCAGCCCAACGGCTAGTCCCAACACACA  
 TTAGCACCTGCATCTCCTGCCAGTGCAGCCAGATCACCTTCACAGACAAGGAAAGGGCTCCTGTCC  
 CACCTCTGCCTAAAGTCAACCCAAAGGAAGTACAGCAGGAGAAATCATCAATTTCTTTGAGGACAA  
 CTTTGTACCAGAAATCAATGTGACAACACCTTCCAGAAATGAAGTCTGGAGGTGAAGAAGGAGGAGACT  
 TTGCTGGATTTGGACTTTGACCTTTCAAACCTGATGTGACCCAGCAGGTTCTGCTGCAGCGACCCACT  
 CACCCATGTCTCAGACATTGCCCTGGGACTTATGGACGACAAGCACTGATTTGGTACAACCGGCTTCTGG  
 AGGTTTCGTTTAAATGATTTTACCCAGCCCCAGGATACTTCAATTATTCACGATGCAGACAGATCAGAATATG  
 GCTGAAACTGAGCAGGCTCTACCTACAGAGCCCCAGGCAGAGGAGCCTCCACCCTGCTGCTGCACCTA  
 CTGCTGGGCTGGACCTTGGGCTAGAGATGGAGGAGCCAAAGGAGGAGGCAGCGATCCCTCCTGAACTGA  
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 GCTGGAGAAGGCCAAAGTCTGAGGGAGCCAAATCGATGTGAAAGCACTGAGCTTGAAGCAGTGAAG  
 GCCCTCAAGCAGCAGAGCTTGAAGCTGGTCTCCTCAGGAAAAGGTCATCCCTTCTGTTGTCATAGAGCC  
 AGCCTCAACCATGAAGGAGAAGAACACCAAGAAACCACTACGGGTACTGAAACAAGGGAGGCCACTGAG  
 GACGTGGCTCCCGAGGGCCAGCCGGTGAAGCAGGAAGTGGCTACAGAGCCCACGCTCTGGATTCTC  
 AGGCTGTACGCCTGCACCAGCAGGTGCTGTGGATGCTTCGCTGTCTGCAGGGGATGCCGCTCAGGAACT  
 GCCTCCTGGCTTTCTCTACAAGGTGAAACTCTGCATGACTTCGAGGCAGCGAACTCTGATGAACCTACC  
 CTACAAAGGGGTGATGTGGTGTCTGTGGTGCCTCAGACTCAGAAGCCGACCAGGATGCAGGCTGGTTGG  
 TGGGGGTGAAGGAGTCAGACTGGCTTCACTACAGAGACCTGGCCACATACAAAGGCCTTTTCCAGAGAA  
 CTTACACGACACCTAGAA

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR210952 representing NM\_022217  
Red=Cloning site Green=Tags(s)

```
MADIKTGIFAKNVQKRLNRAQEKVLQKLGKADETKDEQFEEYVQNFKRQEAEGTRLQRELRGYLAAIKGM
QEASMKL TESLHEVYEPDWYGREDVKMVGKCDVLWEDFHQKLV DGSLL LDTYLGQFPDIKNRIAKRSR
KLV DYSARHHL EALQSSKRKDESRI SKAEEEFQKAQKVFEFNVDLQEELPSLWSRRVGFYVNTFKNVS
SLEAKFHKEI AVLCHKL YEVMTKLGDQHADKAFSIQGAPSDSGPLRIAKTPSPPEEASPLSPPTASPNHT
LAPASPAVPRSPSQTRKGPVPLPKVTPTKELQENIINFEDNFVPEINVTTPSQNEVLEVKKEET
LLDLDFDPFKPDVTPAGSAAATHSPMSQTLPWDLWTTSTDLVQPASGGSFNDFTQPQDTSLFTMQTDQNM
AETEALPTEPQAEPPPTAAAPTAGLDL GLEMEEPKEEAAIPP GTDAGETVGTGEGSTGEEAEAEKAALP
AGEGESPEGAKIDVESTELASSEPQAAELEAGAPQEKVIPSVVI EPASNHEGEEHQETTGTETREATE
DVAPQGPAGEKQELATEPTPLDSQAATPAPAGAVDASLSAGDAAQELPPGF LYKVELTHDFEAANSDEL T
LQRGDVVLVVPDSEADQDAGWL VGVKESDWLQYRDLATYKGLFPENFTRHLE
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_022217

**ORF Size:** 2049 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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:** [NM\\_022217.1](#), [NP\\_071553.1](#)

**RefSeq Size:** 2052 bp

**RefSeq ORF:** 2052 bp

**Locus ID:** 60668

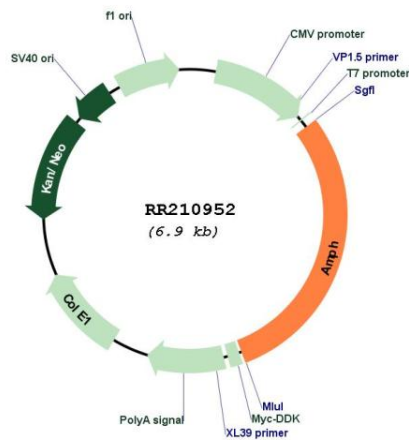
**UniProt ID:** [O08838](#)

**Cytogenetics:** 17q11

**MW:** 74.9 kDa

**Gene Summary:** activates dynamin GTPase activity; may play a role in clatherin mediated endocytosis in synaptic vesicles [RGD, Feb 2006]

### Product images:



Circular map for RR210952