

## Product datasheet for **MR230895**

### **Amph (NM\_001289546) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Amph (NM_001289546) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Amph
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR230895 representing NM\_001289546  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCGACATCAAGACGGGCATCTTCGCCAAAAACGTGCAAAGCGCCTCAACCGCGCAGGAAAAGG  
 TCCTCCAGAAGCTGGGAAGGCTGACGAGACAAAAGATGAACAGTTTGAAGAATATGTCCAGAACTTCAA  
 ACGGCAGGAGGCAGAGGGTACCAGACTTACGCGAGAACTCCGGGGATATTTAGCAGCAATCAAAGGTATG  
 CAGGAGGCCTCAATGAAGCTCACTGAATCTCTACATGAAGTCTACGAGCCAGACTGGTATGGACGGGAAG  
 ATGTAAGATGGTTGGTGAAGTGTGATGTGCTGTGGGAAGACTTCCATCAAAGCTAGTGGATGGCTC  
 CTTGCTGACACTGGACACCTACCTGGGCCAGTTTCTGACATAAAGAATCGCATCGTAAGCGCAGCAGG  
 AAGCTTGTGGATTATGATAGTGTGCTGCCATCACCTGGAGGCTCTGCAGAGTTCCAAACGGAAGATGAGA  
 GTCGGATCTTAAGGCAGAAGAGGAGTTTCAGAAAGCACAGAAAGTGTGGAAGAGTTCAATGTTGACTT  
 ACAAGAAGAGTTGCCGTATTGTGGTCAAGTCGAGTTGGCTTTTACGTCAATACTTTCAAAAATGTCTCC  
 AGCCTTGAGGCCAAGTTTCATAAGGAAATCGCAGTGCTTTGCCACAAGCTCTATGAAGTGATGACGAAAC  
 TCGGTGATCAGCATGCTGACAAGGCCTTACGATTCAAGGAGCTCCCAGTGACTCGGGTCTCTTCGCAT  
 TGCAAAGACCATCACCTCCAGAGGAGCCTTCTCCCCTGCCAGCCCCAGGCTAGTCCCAACACACA  
 TTAGCACCTGCATCTCCTGCCAGTGCAGCCAGATCACCTTCACAGACAAGGAAAGGGCTCCTGTCC  
 CACCTCTGCCTAAAGTACCCCCAACAAAGGAAGTGAACAGGAGAACATCATCAATTTCTTTGAGGACAA  
 CTTTGTACCAGAAATCAATGTGACAACACCTTCCAGAACGAAGTCTTGGAGGTGAAGAAGGAGAGACT  
 TTGCTGGATTTGGACTTTGACCCCTTCAAGCCCGATGTGGCTCCGGCAGGTTCTGCTGCAGCGACCCACT  
 TCCCCATGCTCAGCATTGCCCTGGGACTTATGGACGACAAGCACTGATTTGGTACAACCAGCTTCTGG  
 GGGTTCAATTAATGATTTACCCAGGCCAGGACACTTCATTATTCACCATGCAGACAGATCAGAATATG  
 GTAGGTGGCTTGCTGAAACTGAGCAGGCTCTACCTACAGAGCCCCAAGCCGAAGAGCCTCCTGCCACTG  
 CTGCTGCACCTACTGCTGGGCTGGACCTTGGGCTAGAGATGGAGGAGCCAAAGGAGGAGGCTGTGATCCC  
 TCCCGCAACTGATACTGGCGAGACTGTGGAACCTGCAGTGCCAACTGAGGGTGCCCGGTGGAGGAAGCA  
 GAGGCAGAGAAGGCAGCCCTCCCTGCTGGAGAAGGAGGAAGTCCAGAGGGAGCCAAAATTGACGGGGAAA  
 GCACGGAGCTTGAATCAGTGAGAGCCCTCAACCAGTGGAGCCCCAAGCGGGTGTCTCTCAGGTCATCCC  
 TTCTGTTGTCATTGAGCCAGCCTCAACCATGAAGGAGAAGGAGAACACCAAGAAACTGCTACGGGTACT  
 GAACCGAGGGAGGCCGCTGAGGATGTGGCTGCCAGGGCTCAGCGGGTGAGAAGCAGGAAGTGGCTACAG  
 AGCCACGCCTCTGGATTCTCAGGCAACTCTGCCTGCATCTGCAGGTGCTGTGGATGCCTCGCTGTCTGC  
 AGGGGATGCCACTCAGGAAGTGCCTCCTGGCTTCTCTACAAGGTGGAACCCTGCATGATTTTCAGGGCA  
 GCGAACTCTGATGAACCTAACCTACAAAGGGGTGACGTGGTACTCGTGGTGCCTTCAGACTCAGAAGCCG  
 ACCAGGATGCAGGCTGGTTGGTGGGGGTGAAGGAGTCAGACTGGCTTCAGTACAGAGACCTGGCCACGTA  
 CAAAGGCCTCTTCCAGAGAACTTACGCGGCCGCTGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR230895 representing NM\_001289546  
 Red=Cloning site Green=Tags(s)

MADIKTGIFAKNVQKRLNRAQEKVLQKLGKADETKDEQFEEYVQNFKRQEAEGTRLQRELRGYLAAIKGM  
 QEASMKLTESLHEVYEPDWYGREDEVKMGVEKCDVLWEDFHQKLV DGSLLTLDTYLGGFPDIKNRIAKRSR  
 KLVVDYDSARHHLLEALQSSKRKDESRI SKAEEEFQKAQKVFEFNVDLQEELPSLWSSRVGFYVNTFKNVS  
 SLEAKFHKEIAVLCHKLYEVMTKLGDQHADKAFSIQGAPSDSGPLRIAKTPSPPEEPSPLPSPTASPNHT  
 LAPASPAPVPRSPSQTRKGPVPLPKVTPTKELKQENIINFEDNFVPEINVTTPSQNEVLEVKKEET  
 LLDLDFDPFKPDVAPAGSAAATHSPMSQTLPWDLWTTSTDLVQPASGGSFNDFTQAQDTSLFTMQTDQNM  
 VGGLAETEQALPTEPQAEPPATAAAPTAGLDLGLEMEEPKEEAVIPPATDTGETVETAVPTEGAPVEEA  
 EAEKAALPAGEGGSPEGAKIDGESTELAISESPQVPEPEAGAPQVIPSVVIEPASNHEGEGEHQETATGT  
 EPREAAEDVAAQGSAGEKQEVATEPTPLDSQATLPASAGAVDASLSAGDATQELPPGFYKVELLHDFEA  
 ANSDELNLQRGDVVLVVPDSEADQDAGWLGVKESDWLQYRDLATYKGLFPENFTRRLE

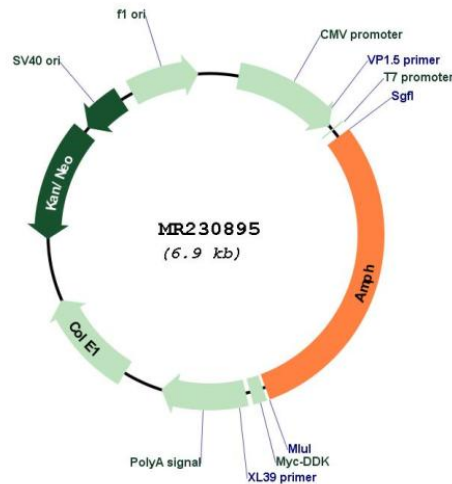
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001289546

**ORF Size:** 2070 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\\_001289546.1](#), [NP\\_001276475.1](#)

RefSeq Size: 3247 bp

RefSeq ORF: 2073 bp

Locus ID: 218038

UniProt ID: [Q7TQF7](#)

Cytogenetics: 13 6.89 cM

MW: 75.8 kDa

**Gene Summary:** May participate in mechanisms of regulated exocytosis in synapses and certain endocrine cell types. May control the properties of the membrane associated cytoskeleton (By similarity). [UniProtKB/Swiss-Prot Function]