

Product datasheet for **MC228684**

Amph (NM_001289546) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC228684 representing NM_001289546
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGACATCAAGACGGGCATCTTCGCCAAAAACGTGCAAAAGCGCCTCAACCGCGCAGGAAAAGG
 TCCTCCAGAAGCTGGGAAGGCTGACGAGACAAAAGATGAACAGTTTGAAGAATATGTCCAGAACTCAA
 ACGGCAGGAGGCAGAGGGTACCAGACTTACGCGAGAACTCCGGGGATATTTAGCAGCAATCAAAGGTATG
 CAGGAGGCCTCAATGAAGCTCACTGAATCTCTACATGAAGTCTACGAGCCAGACTGGTATGGACGGGAAG
 ATGTAAGATGGTTGGTGAAGTGTGATGTGCTGTGGGAAGACTTCCATCAAAGCTAGTGGATGGCTC
 CTTGCTGACACTGGACACCTACCTGGGCCAGTTTCTGACATAAAGAATCGCATCGTAAGCGCAGCAGG
 AAGCTTGTGGATTATGATAGTGTGCCATCACCTGGAGGCTCTGCAGAGTTCCAAACGGAAGATGAGA
 GTCGGATCTTAAGGCAGAAGAGGAGTTTCAGAAAGCACAGAAAGTGTGGAAGAGTTCAATGTTGACTT
 ACAAGAAGAGTTGCCGTATTGTGGTCAAGTCGAGTTGGCTTTTACGTCAATACTTTCAAAAATGTCTCC
 AGCCTTGAGGCCAAGTTTCATAAGGAAATCGCAGTGCTTTGCCACAAGCTCTATGAAGTATGACGAAAC
 TCGGTGATCAGCATGCTGACAAGGCCTTCAAGCATTCAAGGAGCTCCAGTACTCGGGTCTCTTCGCAT
 TGCAAAGACACCATCACCTCCAGAGGAGCCTTCTCCCCTGCCAGCCCCACGGCTAGTCCCAACCACACA
 TTAGCACCTGCATCTCCTGCCAGTGGCAGCCAGATCACCTTACAGACAAGGAAAGGGCTCCTGTCC
 CACCTCTGCCTAAAGTACCCCCAACAAAGGAAGTGAACAGGAGAACATCATCAATTTCTTTGAGGACAA
 CTTTGTACCAGAAATCAATGTGACAACACCTTCCAGAACGAAGTCTTGGAGGTGAAGAAGGAGAGACT
 TTGCTGGATTTGGACTTTGACCCCTTCAAGCCCGATGTGGCTCCGGCAGGTTCTGCTGCAGCGACCCACT
 CTCCCATGTCTCAGACATTGCCCTGGGACTTATGGACGACAAGCACTGATTTGGTACAACCAGCTTCTGG
 GGGTTCAATTAATGATTTACCCAGGCCAGGACACTTCAATATTACCATGCAGACAGATCAGAATATG
 GTAGGTGGCTTGCTGAAACTGAGCAGGCTCTACCTACAGAGCCCCAAGCCGAAGAGCCTCCTGCCACTG
 CTGCTGCACCTACTGCTGGGCTGGACCTTGGGCTAGAGATGGAGGAGCCAAAGGAGGAGGCTGTGATCCC
 TCCCGCAACTGATACTGGCGAGACTGTGAAAACGCAAGTCCAGAGGGAGCCAAAATTGACGGGGAAA
 GAGGCAGAGAAGGCAGCCCTCCCTGCTGGAGAAGGAGGAAGTCCAGAGGGAGCCAAAATTGACGGGGAAA
 GCACGGAGCTTGAATCAGTGAAGGCCCTCAACCAGTGGAGCCGAAGCGGGTCTCCTCAGGTCATCCC
 TTCTGTTGTATTGAGCCAGCCTCAACCATGAAGGAGAAGGAGAACACCAAGAACTGCTACGGGTACT
 GAACCGAGGGAGCCGCTGAGGATGTGGCTGCCAGGGCTCAGCGGGTGAAGAAGCAGGAAGTGGCTACAG
 AGCCACGCCTCTGGATTCTCAGGCAACTCTGCCTGCATCTGCAGGTGCTGTGGATGCCTCGCTGTCTGC
 AGGGGATGCCACTCAGGAAGTGCCTCCTGGCTTCTCTACAAGGTGGAACCCCTGCATGATTTCCAGGCA
 GCGAACTCTGATGAACCTAACCTACAAAGGGGTGACGTGGTACTCGTGGTGCCTTCAGACTCAGAAGCCG
 ACCAGGATGCAGGCTGGTTGGTGGGGTGAAGGAGTCAAGTGGCTTCAAGTACAGAGACCTGGCCACGTA
 CAAAGGCCTTTTCCAGAGAAGTTCACGCGGCCCTGGAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001289546

Insert Size: 2073 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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>NM_001289546.1</u> , <u>NP_001276475.1</u>
RefSeq Size:	3247 bp
RefSeq ORF:	2073 bp
Locus ID:	218038
UniProt ID:	<u>Q7TQF7</u>
Cytogenetics:	13 6.89 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, compared to variant 1, which results in a longer protein (isoform 2), compared to isoform 1.</p>