

Product datasheet for **MG210042**

Amph (NM_175007) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amph (NM_175007) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Amph
Synonyms:	MGC49429
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

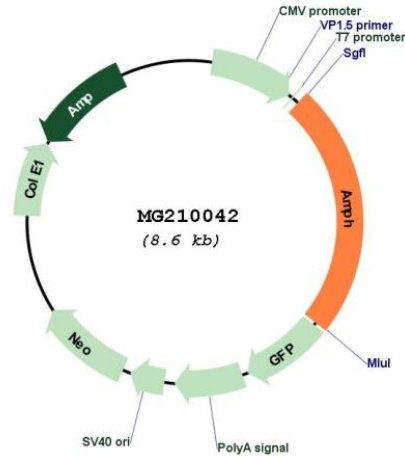
>MG210042 representing NM_175007
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGACATCAAGACGGGCATCTTCGCCAAAAACGTGCAAAAGCGCCTCAACCGCGCAGGAAAAGG
 TCCTCCAGAAGCTGGGAAGGCTGACGAGACAAAAGATGAACAGTTTGAAGAATATGTCCAGAACTTCAA
 ACGGCAGGAGGCAGAGGGTACCAGACTTACGCGAGAACTCCGGGATATTTAGCAGCAATCAAAGGTATG
 CAGGAGGCCTCAATGAAGCTCACTGAATCTCTACATGAAGTCTACGAGCCAGACTGGTATGGACGGGAAG
 ATGTAAGATGGTTGGTGAAGTGTGATGTGCTGTGGGAAGACTTCCATCAAAGCTAGTGGATGGCTC
 CTTGCTGACACTGGACACCTACCTGGGCCAGTTTCTGACATAAAGAATCGCATCGTAAGCGCAGCAGG
 AAGCTTGTGGATTATGATAGTGTGCTGCCATCACCTGGAGGCTCTGCAGAGTTCCAAACGGAAGATGAGA
 GTCGGATCTTAAGGCAGAAGAGGAGTTTCAGAAAGCACAGAAAGTGTGTTGAAGAGTTCAATGTTGACTT
 ACAAGAAGAGTTGCCGTATTGTGGTCAAGTCGAGTTGGCTTTTACGTCAATACTTTCAAAAATGTCTCC
 AGCCTTGAGGCCAAGTTTCATAAGGAAATCGCAGTGCTTTGCCACAAGCTCTATGAAGTGTGACGAAAC
 TCGGTGATCAGCATGCTGACAAGGCCTTCAAGCATTCAAGGAGCTCCCAAGTACTCGGGTCTCTTCGCAT
 TGCAAAGACACCATCACCTCCAGAGGAGCCTTCTCCCCTGCCAGCCCCACGGCTAGTCCCAACACACA
 TTAGCACCTGCATCTCCTGCCCAAGTGCAGCCAGATCACCTTCACAGACAAGGAAAGGGCTCCTGTCC
 CACCTCTGCCTAAAGTACCCCCAACAAAGGAAGTCAAACAGGAGAAATCATCAATTTCTTTGAGGACAA
 CTTTGTACCAGAAATCAATGTGACAACACCTTCCAGAACGAAGTCTTGGAGGTGAAGAAGGAGAGACT
 TTGCTGGATTTGGACTTTGACCTTTCAAGCCCCGATGTGGCTCCGGCAGGTTCTGCTGCAGCGACCCACT
 CTCCCATGTCTCAGACATTGCCCTGGGACTTATGGACGACAAGCACTGATTTGGTACAACCAGCTTCTGG
 GGGTTCAATTAATGATTTACCCAGGCCAGGACACTTCAATTATTCACCATGCAGACAGATCAGAATATG
 GCTGAAACTGAGCAGGCTCTACCTACAGAGCCCCAAGCCGAAGAGCCTCCTGCCACTGCTGCTGCACCTA
 CTGCTGGGCTGGACCTTGGGCTAGAGATGGAGGAGCCAAAGGAGGAGGCTGTGATCCCTCCCGCAACTGA
 TACTGGCGAGACTGTGGAAGTGCAGTGCCAACTGAGGGTGCCCCGGTGGAGGAAGCAGAGGCAGAGAAG
 GCAGCCCTCCCTGCTGGAGAAGGAGGAAGTCCAGAGGGAGCCAAAATTGACGGGAAAGCACGGAGCTTG
 CAATCAGTGAGAGCCCTCAACCAGTGGAGCCCCAAGCGGGTGCTCCTCAGGTCATCCCTTCTGTTGTCAT
 TGAGCCAGCCTCAACCATGAAGGAGAAGGAGAACACCAAGAACTGCTACGGGTACTGAACCGAGGGAG
 GCCGCTGAGGATGTGGCTGCCAGGGCTCAGCGGGTGAGAAGCAGGAAGTGGCTACAGAGCCACGCCTC
 TGGATTCTCAGGCAACTCTGCCTGCATCTGCAGGTGCTGTGGATGCCTCGCTGTCTGCAGGGGATGCCAC
 TCAGGAACTGCCTCCTGGCTTTCTACAAGGTGGAACCCCTGCATGATTCGAGGCAGCGAACTCTGAT
 GAATTAACCTACAAAGGGGTGACGTGGTACTCGTGGTGCCTTCAGACTCAGAAGCCGACCAGGATGCAG
 GCTGGTTGGTGGGGTGAAGGAGTCAGACTGGCTTCAAGTACAGAGACCTGGCCACGTACAAGGCCTCTT
 TCCAGAGAACTTCACGCGGCCCTGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Plasmid Map:



ACCN: NM_175007

ORF Size: 2058 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_175007.2](#), [NP_778172.1](#)

RefSeq Size: 3221 bp

RefSeq ORF: 2061 bp

Locus ID: 218038

UniProt ID: [Q7TQF7](#)

Cytogenetics: 13 6.89 cM

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]