

Product datasheet for **RG206620**

Amphiphysin (AMPH) (NM_001635) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Amphiphysin (AMPH) (NM_001635) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Amphiphysin |
| Synonyms: | AMPH1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RG206620 representing NM_001635
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGACATCAAGACGGGCATCTTCGCCAAGAACGTCCAGAAGCGACTCAACCGCGCGCAGGAAAAGG
 TCCTCCAAAAGCTGGGGAAAGCTGATGAGACAAAAGACGAACAGTTTCAAGAATATGTCCAGAATTCAA
 ACGGCAAGAAGCAGAGGGTACCAGACTTACGCGAGAACTCCGAGGATATTTAGCAGCAATCAAAGGCATG
 CAGGAGGCCTCCATGAAGCTCACAGAGTCGCTGCATGAAGTCTATGAGCCTGACTGGTATGGGCGGGAAG
 ATGTGAAAATGGTTGGTGAAGAAATGTGATGTGCTGTGGGAAGACTTCCATCAAAAACCTCGTGGATGGGTC
 CTTGCTAACACTGGATACCTACCTGGGGCAATTTCTGACATAAAGAATCGCATCGCCAAGCGCAGCAGG
 AAGCTAGTGGACTATGACAGTGCCCGCCACCCTGGAAGCTCTGCAGAGCTCCAAGAGGAAGGATGAGA
 GTCGAATCTTAAGGCAGAAGAAGAATTCAGAAAAGCACAGAAAGTGTGTTGAAGAGTTTAACTGGACTT
 ACAAGAAGAGTTACCATCATTATGGTCAAGACGAGTTGGATTTTATGTTAATACTTTCAAAAACGTCTCC
 AGCCTTGAAGCCAAGTTTCATAAGGAAATTCGCGTGTCTTCCACAAAACCTGTATGAAGTGTGACAAAAC
 TGGGTGACCAGCACGCCGACAAGGCCTTACCATCCAAGGAGCGCCAGTGATTCGGGTCTCTCCGCAT
 TGCAAAGACACCATCACCGCTGAGGAGCCTTACCCCTCCCGAGCCCGACAGCAAGTCCAAATCATACA
 TTAGCACCTGCGTCTCCCGCACCAGCACGGCCTCGGTACCTTCACAGACAAGGAAAGGGCCTCCTGTCC
 CACCTCTACCTAAAGTCAACCCGACAAGGAAGTGCAGCAGGAGAATCATCAGTTTCTTTGAGGACAA
 CTTTGTTCAGAAATCAGTGTGACAACCTTCCAGAAATGAAGTCCCTGAGGTGAAGAAAGAGGAGACT
 TTGCTGGATCTGGACTTTGATCCTTTCAAGCCCGAGGTGACACCTGCAGGTTCTGCTGGAGTGACCCACT
 CACCCATGTCTCAGACATTGCCCTGGGACCTATGGACGACAAGCACTGATTTGGTACAGCCGGCTTCTGG
 TGGTTCATTTAATGGATTACACAGCCCCAGGATACTTCATTATTACAATGCAGACAGACCAGAGTATG
 ATCTGCAACTTGCTGAATCTGAACAGGCTCCACCCACAGAGCCAAAAGCAGAGGAGCCTCTGGCTGCTG
 TCACACCTGCCGTTGGTCTGGACCTTGGAAATGGACACTCGGGCTGAGGAGCCAGTGGAGGAGGCAGTGAT
 CATACCTGGAGCTGATGCTGATGCAGCTGTTGGAACCTTGGTGTGACGAGCTGAGGGGGCCCCAGGAGAG
 GAAGCAGAGGGGAGACGGCCACTGTCCCTGCCGGGAAGGAGTAAGTTTAGAGGAGGCCAAAATTGGAA
 CTGAAACCACTGAGGGTGCAGAGAGTGCCCAACCTGAAGCAGAGGAGCTCGAAGCAACAGTGCCTCAGGA
 GAAGGTCATTCTCGTGGTTCATAGAGCCTGCCTCAACCATGAAGAGGAAGGAGAAAACGAAATAACT
 ATAGGTGCAGAGCCCAAGGAGACCACGAGGACCGGCTCCTCCGGGCCACCACGAGACACCGGAGC
 TGGCTACGGAGCAGAAGCCTATCCAGGACCTCAGCCACGCCTTCTGCACCAGCCATGGGGGCTGCTGA
 CCAGCTAGCATCTGCAAGGGAGGCTCTCAGGAATTGCCTCCTGGCTTTCTTACAAGGTGGAAACTG
 CATGATTTTGGAGCAGCAAACTTCTGATGAACCTTACCTTACAAAGGGGTGATGTGGTGTGGTGGTCCCCT
 CAGATTCAGAAGCTGATCAGGATGCAGGCTGGCTGGTGGGAGTGAAGGAATCAGACTGGCTTCAGTACAG
 AGACCTTGCCACCTACAAAGGCCTTTTCCAGAGAACTTACCCGACGCTTAGAT

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG206620 representing NM_001635
Red=Cloning site Green=Tags(s)

MADIKTGFIAKNVQKRLNRAQEKVLQKLGKADETKDEQFEEYVQNFKRQEAEGTRLQRELRGYLAAIKGM
 QEASMKL TESLHEVYEPDWYGREDEVKMGVEKCDVLEWDFHQKLV DGSLLTLDTYLGQFPDIKNRIAKRSR
 KLV DYSARHHLLEALQSSKRKDESRI SKAE EEFQKAQKVFE EFNVDLQEELPSLWSRRVGFYVNTFKNVS
 SLEAKFHKEIAVLCHKLYEVMTKLGDQHADKAF TIQGAPSDSGPLRIAKTPSPPEEPSPLPSPTASPNHT
 LAPASPARPRSPSQTRKGPPVPLPKVTPTKELQQENIISFFEDNFVPEISVTTPSQNEVPEVKKEET
 LLDLDFDFPFKPEVTPAGSAGVTHSPMSQTLPWDLWTTSTDLVQPASGGSFNGFTQPQDTSLFTMQTDQSM
 ICNLAESEQAPPTPKAE EPLAAVTPAVGLDLGMDTRAEEPVEEAVIIPGADADA AVGTLVSAAE GAPGE
 EAE AETATVPAGEGVSLEEAKIGTETTEGAESAQPEAELEATVPQEKVIPS VVIEPASNHEEEGENEIT
 IGAEPKETTEDAAPP GPTSETPELATEQKPIQDPQPTPSAPAMGAADQLASAREASQELPPGF LYK VETL
 HDFEAANSDELTLQRGDVVLVVPDSEADQDAGWL VGVKESDWLQYRDLATYKGLFPENFTRRLD

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001635

ORF Size: 2085 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_001635.2](#), [NP_001626.1](#)

RefSeq Size: 3287 bp

RefSeq ORF: 2088 bp

Locus ID: 273

UniProt ID: [P49418](#)

Cytogenetics: 7p14.1

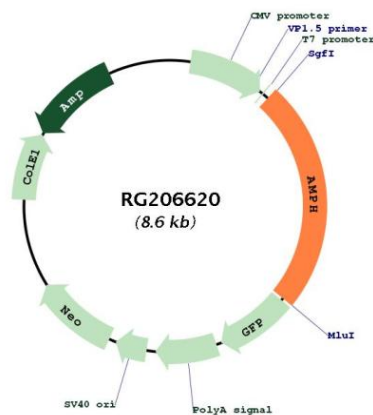
Domains: SH3, BAR, BAR

Protein Families: Secreted Protein

Protein Pathways: Fc gamma R-mediated phagocytosis

Gene Summary: This gene encodes a protein associated with the cytoplasmic surface of synaptic vesicles. A subset of patients with stiff-man syndrome who were also affected by breast cancer are positive for autoantibodies against this protein. Alternate splicing of this gene results in two transcript variants encoding different isoforms. Additional splice variants have been described, but their full length sequences have not been determined. A pseudogene of this gene is found on chromosome 11.[provided by RefSeq, Nov 2010]

Product images:



Circular map for RG206620