

Product datasheet for **SC119115**

Amphiphysin (AMPH) (NM_001635) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amphiphysin (AMPH) (NM_001635) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMPH
Synonyms:	AMPH1
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001635, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGACATCAAGACGGGCATCTTCGCCAAGAACGTCCAGAAGCGACTCAACCCGCGCAGGAAAAGG
TCCTCCAAAAGCTGGGAAAGCTGATGAGACAAAAGACGAACAGTTCGAAGAATATGTCCAGAACTTCAA
ACGGCAAGAAGCAGAGGGTACCAGACTTCAGCGAGAACTCCGAGGATATTTAGCAGCAATCAAAGGCATG
CAGGAGGCCTCCATGAAGCTCACAGAGTCGCTGCATGAAGTCTATGAGCCTGACTGGTATGGGCGGGAAG
ATGTGAAAATGGTTGGTGAAGATGTGATGTGCTGTGGGAAGACTTCCATCAAAAACCTCGTGGATGGGTC
CTTGCTAACACTGGATACCTACCTGGGGCAATTTCTGACATAAAGAATCGCATCGCCAAGCGCAGCAGG
AAGCTAGTGGACTATGACAGTGCCTGCCACCATCTGGAAGCTCTGCAGAGCTCCAAGAGGAAGGATGAGA
GTCGAATCTTAAGGCAGAAGAAGAATTCAGAAAAGCACAGAAAGTGTGTTGAAGAGTTTAACTGACTT
ACAAGAAGAGTTACCATCATTATGGTCAAGACGAGTTGGATTTTATGTTAATACTTTCAAAAACGTCTCC
AGCCTTGAAGCCAAGTTTCATAAGGAAATGCGGTGCTTTGCCACAACTGTATGAAGTATGACAAAAC
TGGGTGACCAGCACGCCACAAGGCCTTACCATCCAAGGAGCGCCAGTGATTCCGGTCTCTCCGCAT
TGCAAAGACACCATCACCGCCTGAGGAGCTTACCCCTCCCGAGCCCGACAGCAAGTCCAAATCATACA
TTAGCACCTGCGTCTCCCGCACCAGCACGGCCTCGGTACCTTCCAGACAAGGAAAGGGCCTCCTGTCC
CACCTCTACCTAAAGTCACCCCGACAAAGGAAGTGCAGCAGGAGAATCATCAGTTTCTTTGAGGACAA
CTTTGTTCCAGAAATCAGTGTGACAACCTTCCAGAAATGAAGTCCCTGAGGTGAAGAAAGAGGAGACT
TTGCTGGATCTGGACTTTGATCCTTTCAAGCCCGAGGTGACACCTGCAGGTTCTGCTGGAGTGACCCACT
CACCCATGTCTCAGACATTGCCCTGGGACCTATGGACGACAAGCACTGATTTGGTACAGCCGGCTTCTGG
TGGTTCATTTAATGGATTCACACAGCCCCAGGATACTTCATTATTCACAATGCAGACAGACCAGAGTATG
ATCTGCAACTTGGCTGAATCTGAACAGGCTCCACCCACAGAGCCAAAAGCAGAGGAGCCTCTGGCTGCTG
TCACACCTGCCGTTGGTCTGGACCTTGAATGGCACTCGGGCTGAGGAGCCAGTGGAGGAGGCAGTGAT
CATACCTGGAGCTGATGCTGATGCAGCTGTTGGAACCTTGGTGTGACGAGCTGAGGGGGCCCCAGGAGAG
GAAGCAGAGGCGGAGAAGGCCACTGTCCCTGCCGGGAAGGAGTAAGTTTAGAGGAGGCCAAAATTGGAA
CTGAAACCACTGAGGGTGCAGAGAGTGCCCAACCTGAAGCAGAGGAGCTCGAAGCAACAGTGCCTCAGGA
GAAGGTCAATTCCTTCGGTGGTCAAGAGCCTGCCTCAACCATGAAGAGGAAGGAGAAAACGAAATAACT
ATAGGTGCAGAGCCCAAGGAGACCACCGAGGACGCGGCTCCTCCGGGCCCCACCAGCGAGACACCGGAGC
TGGCTACGGAGCAGAAGCCTATCCAGGACCTCAGCCCACGCCTTCTGCACCAGCCATGGGGGCTGCTGA
CCAGCTAGCATCTGCAAGGGAGGCTCTCAGGAATTGCCTCCTGGCTTTCTCTACAAGGTGGAAACTG
CATGATTTTGAAGCAGCAAATCTGATGAACCTTACCTTACAAAGGGGTGATGTGGTGTGGTGGTCCCT
CAGATTGAGAAGCTGATCAGGATGCAGGCTGGCTGGTGGGAGTGAAGGAATCAGACTGGCTTCAGTACAG
AGACCTTGCCACCTACAAAGGCCTTTTCCAGAGAAGTTCACCCGACGCTTAGATTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001635 unedited
 GCGATTTGTATACGACTACTATAGGCGGCCGCGCAATTCGCACGAGGGCCGCCAGCCCCG
 CTGCGCGCTCTGCTCTTCGCGAGCTCCCCGGACCCGAGCCATGGCCGACATCAAGACGGG
 CATCTTCGCCAAGAAGCTCCAGAAGCGACTCAACCGCGCGCAGGAAAAGTCTCCAAAA
 GCTGGGAAAAGCTGATGAGACAAAAGACTAACAGTTCGAAGAATATGTTTCAGAACTTCAA
 ACGGCAAGAAGCAGAGGGTACCAGACTTCAGCGAGAACTCCGAGGATATTTAGCAGCAAT
 CAAAGGCATGCAGGAGGCTCCATGAAGCTCACAGAGTCGCTGCATGAAGTCTATGAGCC
 TGA CTGGTATGGCGGGGAAGATGTGAAAATGGTTGGTGAGAAATGTGATGTGCTGTGGGA
 AGACTTCCATCAAAAACCTCGTGGATGGTCTTGTCTAACACTGGATACCTACCTGGGGCA
 ATTTCTGACATAAAGAATCGCATCGCCAAGCGCATCAGGAAGCTAGTGGACTATGACAG
 TGCCCCGCCACCATCTGGAAGCTCTGCAGAGCTCCAAGAGGAAGGATGACAGTGAATCT
 TTAATGCACAAGAACAATTTACAAAAGCACAAAAGTGTGTTGAAGAGTTTAACTGTTGACT
 TACAATAAGAGTACCATCATTATGGTCCAGACGAGTTGGATTTTATGCTAATCCTTTAC
 AAACGTCTCCAGCCCTTTGAGCCCAACTCATAAAGAAAATTGCGGGGCTTTGTCCAAA
 CTGTTTGAATGAAGACCAACTGGGTGACCACTACCCCGACAAGCCTTCACATTCGAAG
 AGCGCCCCAGGATTCGGGTCTCTCCGCATCGCAAAAACACATCACCGCCTGAGGAGCCT
 TACACCTCCGAACCCGACGCGGGTCCCAAATTACATTTCCACCTGGGCTCCCCGACCAA
 AACGGCTTCGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001635 unedited
 NNTTTTAGCTCTGACC CGGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTTTTTAGGGGAATCGGTGAAGATTACCAAAGGTTATTTGG
 AATGACACAGCACTGAAAACATAATTGTTACAGATGATTTGGGGATACAGCATACCCAT
 CTATTTTACTTTAAAACAATCTGGGAAAATGAGTTGCATAAATAAAAAGAGGGGGAAATA
 TAGAGGAGCTGGTTTTATAGGGTCTTTTGGGGTAAATGAATATGCCCATCTTTTAC
 CCAATCTCATAAAGGCAGAAAAAAAAGTGGTTAACTGCCCATCCCAACTAGCCTACCTC
 CAGCCACAGGGGGTGGACAGCTAGATAAATCAGGCCCTGCCTTCTCTGAGGGGCTCAG
 GGGAAACGGGCTATCTGGCATCTCATCTGAAAAGTGCACAGTACAAACACAGATACTGG
 TGACTTTTTTGGCAATGGGATGGCGTGGTTTTGCCATTAGGCAAAAGTCAATTGTAATG
 CCAAACAGAATAAAGCAATGCATGTATCAATGACAATTGAGAGGCAAGAGCTACAATG
 GAAAGGAAAGAAGCAACTATGTATATGTAGCCTTCTGCATACACATAGATCCAGGATCA
 TGGGAAGTAACTTGCCTGACTGTGTGCCATAATTTAGAAAGGGGGTGGAAAAGAACAT
 TGAGTACTTTTGCAGCAGTTTTAGTTTAAACATAGTAAACCTGAAAGGGAGCGAGAGCAC
 GTGCTCCACCTGGGCAGGGGAATAGAAAATCCTGGGCTACAGATAATTATCACATTTTTG
 CAGGGCAGCCCTCATACGATCACCCGATGCGAAAATTAAGGCTGACCTGGAAAGCTCTTA
 AA

Restriction Sites:

NotI-NotI

ACCN:

NM_001635

Insert Size:

3150 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).

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:	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:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>