

Product datasheet for **SC310194**

Amphiphysin (AMPH) (NM_139316) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amphiphysin (AMPH) (NM_139316) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMPH
Synonyms:	AMPH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310194 representing NM_139316.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCGACATCAAGACGGGCATCTTCGCAAGAAGCTCCAGAAGCGACTCAACCGCGCGCAGGAAAAG
GTCTCCAAAAGCTGGGAAAGCTGATGAGACAAAAGACGAACAGTTCGAAGAATATGTCCAGAACTTC
AAACGGCAAGAAGCAGAGGGTACCAGACTTCAGCGAGAAGCTCCGAGGATATTTAGCAGCAATCAAAGGC
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GTTGACTTACAAGAAGAGTTACCATCATTATGGTCAAGACGAGTTGGATTTTATGTTAACTTTCAA
AACGTCTCCAGCCTTGAAGCCAAGTTTCATAAGGAAATTCGGGTGCTTTGCCACAACTGTATGAAGTG
ATGACAAAACCTGGGTGACCAGCAGCGCCACAAGGCCTTACCATCCAAGGAGCGCCAGTATTCCGGT
CCTCTCCGCATTGCAAAGACACCATCACCGCCTGAGGAGCCTTACCCTCCCGAGCCCGACAGCAAGT
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GAAGCAGAGGAGCTCGAAGCAACAGTGCCTCAGGAGAAGGTATTCTTCCGTGGTTCATAGAGCCTGCC
TCCAACCATGAAGAGGAAGGAGAAAACGAAATAACTATAGGTGCAGAGCCCAAGGAGACCACCGAGGAC
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CTTACCTTACAAAGGGGTGATGTGGTGTGGTGGTCCCCTCAGATTCAGAAGCTGATCAGGATGCAGGC
TGCTGGTGGGAGTGAAGGAATCAGACTGGCTCAGTACAGAGACCTTGCCACCTACAAAGGCCTCTTT
CCAGAGAACTTACCCGACGCTTAGATTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map: □

ACCN: NM_139316

Insert Size: 1962 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_139316.2
RefSeq Size:	3300 bp
RefSeq ORF:	1962 bp
Locus ID:	273
UniProt ID:	P49418
Cytogenetics:	7p14.1
Domains:	SH3, BAR
Protein Families:	Secreted Protein
Protein Pathways:	Fc gamma R-mediated phagocytosis
MW:	71.9 kDa
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 (2) lacks an in-frame exon within the coding region compared to variant 1, resulting in a shorter protein (isoform 2).</p>