

Product datasheet for **MC228471**

Ache (NM_001290010) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ache (NM_001290010) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ache
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC228471 representing NM_001290010
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGCCTCCCTGGTATCCCCTGCATACACCTTCCCTGGCTTTTCCACTCCTCTTCCCTCCTCTCCC
 TCCTGGGAGGAGGGCAAGGGCTGAGGGCCGGGAAGACCCGACGTGCTGGTGAGGGTTCGAGGGGGCCA
 GCTGAGGGGCATCCGCCTGAAGGCCCTGGAGGCCAGTCTCAGCTTTTCTGGGCATCCCCTTTCAGAG
 CCACCTGTGGGCTCACGTAGATTATGCCACCAGAGCCCAAGCGGCCCTGGTCAGGAGTGTGGATGCTA
 CCACCTTCCAAAATGTCTGCTACCAGTACGTGGACACCTGTACCCTGGGTTTGGAGGACTGAGATGTG
 GAACCCCAACCGAGAGTTGAGTGAAGACTGCCTGTATCTTAATGTGTGGACACCATACCCAGACCTGCT
 TCTCCACACCTGTCCTCATCTGGATCTATGGGGTGGTTTCTACAGCGGAGCGGCCCTCTGGATGTGT
 ATGACGGCCGTTTCTGGCCAGGTTGAGGGAGCTGTGTTGGTATCTATGAACTACCGAGTGGGAACCTT
 TGGCTTCTTGGCCCTACCAGGAAGCAGAGAAGCCCTGGCAATGTAGGTCTGCTGGATCAACGGCTTGCC
 TTGCAATGGGTGCAAGAAAATATTGCAGCCTTTGGGGGCGACCCGATGTCAGTACTCTGTTGGGGAGA
 GTGCGGGTGCAGCCTCCGTGGGCATGCACATACTGTCCCTGCCAGCAGGAGCCTCTCCACAGGGCTGT
 CCTCCAGAGTGGCACACCCAATGGGCCCTGGGCCACTGTGAGTGTGGAGAGGCCAGGCGCAGGGCCACA
 CTGCTGGCCCGCCTTGTGGGCTGTCCCCAGGTGGCGCTGGTGGCAATGACACCGAGCTGATAGCCTGCT
 TGAGGACAAGGCCCGCTCAGGACCTGGTGGACCAGAGTGGCAGCTCCTGCCTCAAGAAAGTATCTTCCG
 ATTTTCTTCTGCTGCTGGTAGACGGGACTTCTCAGTGACACACCGGAGGCTCTCATCAATACTGGA
 GATTTTCAAGACCTGCAGGTGCTGGTGGGTGTGGTGAAGGACGAGGGCTCCTACTTCTGGTTTACGGGG
 TCCAGGCTTTCAGCAAAGACAATGAATCTCTCATCAGCCGGGCCAGTTCTGGCTGGGGTGCAGATCGG
 TGTACCCCAAGCAAGTGACCTGGCAGCCGAGGCTGGTCTGCATTACACAGACTGGCTGCACCCCTGAG
 GACCTACTCACCTGAGAGATGCCATGAGTGCAGTGGTAGGCGACCACAACGTTGTGTCCTGTGGCCC
 AGCTGGCTGGGCGACTGGCTGCCAAGGGGCCGGGTCTATGCCTACATCTTTGAACACCGTGCCTCCAC
 ACTGACTTGGCCCTCTGGATGGGGTGGCCATGGCTATGAAATCGAGTTCATCTTTGGGCTCCCCCTG
 GATCCCTCGTGAACACACCACGGAGGAGGATCTTTGCTCAGCGACTTATGAAATACTGGACCAATT
 TTGCCCGCACAGGGGACCCCAATGACCCTCGAGACTCAAATCTCCACAGTGGCCACCGTACACCACTGC
 CGCGCAGCAATATGTGAGCCTGAACCTGAAGCCCTTAGAGGTGCGGCGGGGACTGCGCGCCAGACCTGC
 GCCTTCTGGAATCGCTTCTCCCAAATGCTCAGCGCCACCGATACTCTGGACGAGGCGGAGCGCCAGT
 GGAAGGCCGAGTCCACCGCTGGAGCTCCTACATGGTGCCTGGAAGAACCAGTTCGACCACTATAGCAA
 GCAGGAGCGCTGCTCAGACCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001290010
- Insert Size:** 1845 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:

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_001290010.1](#), [NP_001276939.1](#)

RefSeq Size: 2227 bp

RefSeq ORF: 1845 bp

Locus ID: 11423

UniProt ID: [P21836](#)

Cytogenetics: 5 76.32 cM

Gene Summary: Terminates signal transduction at the neuromuscular junction by rapid hydrolysis of the acetylcholine released into the synaptic cleft.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.