

Product datasheet for **RN212424**

Ache (NM_172009) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ache (NM_172009) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ache
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212424 representing NM_172009
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCCTCCCTGGTATCCCCTGCATACACCCTCCCTGGCTTCTCCACTCCTCTTCTCCTCCTCTCCC
 TCCTGGGAGGAGGGCAAGGGCTGAGGGCCGGGAAGACCCTCAGCTGCTGGTGAGGGTTCGAGGGGGCCA
 GCTGAGGGGCATCCGCTGAAGGCCCTGGAGGCCAGTCTCAGCTTTTCTGGGCATCCCCTTTCAGAG
 CCACCTGTGGGCTCACGTAGATTATGCCACCAGAGCCCAAGCGCCCTGGTCAGGAATATTGGATGCTA
 CCACCTTCCAAAATGTCTGCTACCAATACGTGGACACCCTGTACCCTGGGTTTGGAGGTACCGAGATGTG
 GAACCCCAATCGAGAGCTGAGTGAAGACTGCCTTTATCTTAATGTGTGGACACCATACCCAGGCCTACT
 TCTCCACACCTGTCCTCATCTGGATCTATGGGGTGGTTTCTACAGTGGAGCATCCTCCTGGACGTGT
 ATGACGGCCGTTTCTGGCCAGGTTGAGGGAACCGTGTGGTATCTATGAACTACCGAGTGGGAACCTT
 TGGCTTCTTGGCTCTACCAGGAAGCAGAGAAGCCCTGGCAATGTAGGCCTGCTGGATCAACGGCTTGCC
 TTGCAATGGGTACAAGAAAATATCGCAGCCTTTGGGGGAGACCCAATGTCAGTACTCTGTTTGGGGAGA
 GTGCAGGTGCAGCCTCAGTGGGCATGCACATTCTGTCCCTGCCAGCAGGAGCCTCTCCACAGGGCTGT
 CCTGCAGAGTGGCACACCCAATGGGCCCTGGGCCACTGTGAGTGCGGGAGAGGCCAGGCGCAGGGCCACA
 CTGCTGGCCCGCCTTGTGGGCTGTCCCCAGGTGGCGCTGGTGGCAATGACACCGAGCTGATATCCTGCT
 TGAGGACAAGGCCGCTCAGGACCTGGTGGACCAGAGTGGCATGTGCTGCCTCAAGAAAGTATCTTCCG
 GTTTTCTTCTGCTGCTGGTGGACGGGATTTCTCAGTGACACGCCGGACGCTCTCATCAATACTGGA
 GATTTTCAAGACCTGCAGGTGCTGGTGGTGTGGTGAAGGACGAGGGCTCCTACTTCTGGTTTACGGGG
 TCCAGGCTTCAGCAAAGACAATGAATCTCTCATCAGCCGGGCCAGTTCTGGCTGGGGTCCGGATCGG
 TGTACCCCAAGCGAGTGACCTGGCGGCCGAGGCTGTGGTCTGCATTATACAGACTGGCTGCACCCTGAG
 GACCCTGCCACCTGAGAGATGCCATGAGTGCAGTGGTAGGCGACCACAACGTTGTGCCTGTGGCCC
 AGCTGGCTGGGCGACTGGCTGCCAAGGGGCTCGGGTCTATGCCTACATCTTTGAACACCGTGCCTCCAC
 ATTGACTTGGCCCTCTGGATGGGGTGGCCATGGCTATGAAATCGAGTTCATCTTTGGCTCCCCCTG
 GATCCCTCACTGAACTACACCGTGGAGGAGAGAATCTTTGCTCAGCGACTTATGCAATACTGGACCAATT
 TTGCCCGCACAGGGGACCCCAATGACCCTCGAGACTCTAAGTCTCCACGGTGGCCACCGTACACCACTGC
 CGCGCAGCAATACGTGAGCCTGAACCTGAAGCCTTTGGAGGTGCGCGGGGACTGCGCGCCAGACCTGC
 GCCTTCTGGAATCGTTTTCTCCCAAATGCTCAGCGCCACAGACACGCTGGACGAGGCGGAGCGCCAGT
 GGAAGGCCGAGTTCACCGCTGGAGCTCCTACATGGTGCCTGGAAGAACCAGTTCGACCACTATAGCAA
 GCAGGAACGCTGCTCAGACCT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_172009
- 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).
- 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_172009.1](#), [NP_742006.1](#)

RefSeq Size: 2066 bp

RefSeq ORF: 1845 bp

Locus ID: 83817

UniProt ID: [P37136](#)

Cytogenetics: 12q12

Gene Summary: catalyzes the hydrolysis of acetylcholine to choline and acetate; plays a role in neuronal development and synapse formation [RGD, Feb 2006]