

Recombinant Mouse Ache

Cat. No. Ache-08M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mAChE (amino acid residues 32-572) was produced in a Trichoplusia ni larval expression system.
Species	Mouse
Source	Trichoplusia Ni Larval
ProteinLength	32-572 a.a.
Description	Terminates signal transduction at the neuromuscular junction by rapid hydrolysis of the acetylcholine released into the synaptic cleft.
Form	0.5 mg/mL in PBS buffer, pH 7.4, 1.06 mM KH ₂ PO ₄ , 155 mM NaCl, 2.97 mM Na ₂ HPO ₄ ·7H ₂ O
AA Sequence	DPMEGREDPQ LLVRVRGGQL RGIRLKAPGG PVSAFLGIPF AEPPVGSRRF MPPEPKRPWS GVLDATTFQN VCYQYVDTLY PGFEGTEMWN PNRELSCL YLNVWTPYPR PASPTPVLW IYGGGFYSGA ASLDVYDGRF LAQVEGAVLV SMNYRVGTFG FLALPGSREA PGNVGLLDQR LALQWVQENI AAFGGDPMSV TLFGESAGAA SVGMHILSLP SRSLFHRAVL QSGTPNGPWA TVSAGEARRR ATLLARLVGC PPGGAGGNDT ELIACLRTRP AQDLVDHEWH VLPQESIFRF SFVPVVDGDF LSDTPEALIN TGDFQDLQVL VGVVKDEGSY FLVYGVPGFS KDNESLISRA QFLAGVRIGV PQASDLAAEA VVLHYTDWLH PEDPTHLRDA MSAVVGDNHV VCPVAQLAGR LAAQGARVYA YIFEHRASLT TWPLWMGVPH GYEIEFIFGL PLDPSLNYTT EERIFAQRLM KYWTNFARTG DPNDPRDSKS

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PQWPPYTTAA QQYVSLNLKP LEVRRGLRAQ TCAFWNRFLP KLLSGR

Purity >90% as determined by SDS-PAGE

Storage Store at -80°C or colder upon arrival. Freeze-thaw cycles of this product should be avoided.

GENE INFORMATION

Gene Name [Ache acetylcholinesterase \[Mus musculus \]](#)

Official Symbol Ache

Synonyms acetylcholinesterase

Gene ID [11423](#)

UniProt ID [P21836](#)

Chromosome Location 5 G2; 5 76.32 Cm

Pathway Acetylcholine Synthesis, organism-specific biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Glycerophospholipid metabolism, organism-specific biosystem

Function acetylcholine binding; acetylcholinesterase activity; hydrolase activity

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