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 KH2PO4, 155 mM NaCl, 2.97 mM Na2HPO4-7H2O
AA Sequence	DPMEGREDPQ LLVRVRGGQL RGIRLKAPGG PVSAFLGIPF AEPPVGSRRF MPPEPKRPWS GVLDATTFQN VCYQYVDTLY PGFEGTEMWN PNRELSEDCL YLNVWTPYPR PASPTPVLIW 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 MSAVVGDHNV VCPVAQLAGR LAAQGARVYA YIFEHRASTL 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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