

Active Recombinant Mouse Ache protein, His-tagged

Cat. No. Ache-774M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ache protein(Glu 32 - Leu 614), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Glu 32 - Leu 614
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Measured by its ability to cleave Acetylthiocholine. The specific activity is >500 nmol/min/µg, as measured under the described conditions.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 66.7 kDa. The protein migrates as 66-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile

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conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Ache acetylcholinesterase [Mus musculus]
Official Symbol	Ache
Synonyms	ACHE; acetylcholinesterase; mE1a; mE1b; mE1c; mE1d; mE1e; mE1c-long;
Gene ID	11423
mRNA Refseq	NM_009599
Protein Refseq	NP_033729

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