

## Recombinant Mouse AchE, His-tagged

**Cat. No.** AchE-3060M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Acetylcholinesterase (AChE)
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	614
<b>Description</b>	About the Marker: Effective Size Range: 10kDa to 70kDa. Protein bands: 10kDa, 14kDa, 18kDa, 22kDa, 26kDa, 33kDa, 44kDa and 70kDa. Double intensity bands: The 26kDa, 18kDa, 10kDa bands are at double intensity to make location and size approximation of proteins of interest quick and easy. Ready-to-use: No need to heat, dilute or add reducing agents before use.
<b>Form</b>	Supplied as lyophilized form in PBS, pH 7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Molecular Mass</b>	22.1kDa
<b>Endotoxin</b>	<1.0eu per 1ug (determined by the lal < 1.0eu)
<b>Purity</b>	>95%
<b>Applications</b>	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
<b>Notes</b>	Small volumes of AchE recombinant protein may occasionally become entrapped in

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

**Warning**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Ache acetylcholinesterase [ Mus musculus ]</a>
<b>Official Symbol</b>	AchE
<b>Synonyms</b>	ACHE; acetylcholinesterase; mE1a; mE1b; mE1c; mE1d; mE1e; mE1c-long;
<b>Gene ID</b>	<a href="#">11423</a>
<b>mRNA Refseq</b>	<a href="#">NM_009599</a>
<b>Protein Refseq</b>	<a href="#">NP_033729</a>

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**Pathway**

Acetylcholine Synthesis, organism-specific biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Cholinergic synapse, organism-specific biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, con

**Function**

acetylcholine binding; acetylcholinesterase activity; acetylcholinesterase activity; carboxylesterase activity; choline binding; cholinesterase activity; cholinesterase activity; collagen binding; hydrolase activity; laminin binding; laminin binding; protein homodimerization activity; protein self-association; serine hydrolase activity;

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