

## Acetylcholinesterase, Fly head

Cat. No.:	HY-P2860	
CAS No.:	9000-81-1	
Target:	Cholinesterase (ChE)	
Pathway:	Neuronal Signaling	Acetylcholinesterase, Fly head
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 10 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

Description	Acetylcholinesterase, Fly head (ACHE; EC 3.1.1.7) is a cholinergic enzyme mainly found in neuromuscular junctions and cholinergic type chemical synapses used in biochemical research. Acetylcholinesterase, Fly head catalyzes the breakdown or hydrolysis of acetylcholine and some other choline esters that act as neurotransmitters into acetate and choline. Acetylcholinesterase, Fly head's main role is to terminate neuronal transmission and signaling between synapses to prevent ACh spread and activation of nearby receptors <sup>[1]</sup> .
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In Vitro	<p><b>Product Information</b></p> <p>Molecular weight: 280 kDa (gel filtration), tetramer Isoelectric point: 5.5</p> <p><b>Instructions</b></p> <p>Soluble in water (dissolved below 10 mg/mL), fresh preparation is recommended. Or dissolved in buffer according to specific experimental references (e.g. 1 mg/mL dissolved in 20 mM Tris HCl buffer pH 7.5). MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>
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### REFERENCES

[1]. Israel Silman, et al. Acetylcholinesterase: how is structure related to function? Chem Biol Interact. 2008 Sep 25;175(1-3):3-10.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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