

Native Electrophorus electricus (electric eel) Acetylcholinesterase

Cat. No. NATE-0018

Lot. No. (See product label)

Introduction

- Description** Native Electrophorus Electricus Acetylcholinesterase for research on neurotransmitter hydrolysis and enzyme kinetics. Ideal for neurobiology and biochemistry studies. Creative Enzymes provides high-quality, reliable products.
- Applications** The enzyme has been used as a reference to to evaluate the effect of aspartame metabolites on hippocampal acetylcholinesterase activity. The enzyme has also been used in immobilization studies for the rapid detection of acetylthiocholine chloride.
- Synonyms** true cholinesterase; choline esterase I; cholinesterase; acetylthiocholinesterase; acetylcholine hydrolase; acetyl; β -methylcholinesterase; AcCholE; EC 3.1.1.7; 9000-81-1; Acetylcholinesterase; AChE; acetylhydrolase

Product Information

- Source** Electrophorus electricus (electric eel)
- Form** lyophilized powder
- EC Number** EC 3.1.1.7
- CAS No.** 9000-81-1
- Molecular Weight** 280 kDa
- Activity** > 1 ,000 units/mg protein; 200-1 ,000 units/mg protein
- Isoelectric point** ~5.3
- Buffer** Tris buffer: soluble 1 mg/mL (0.02 M Tris buffer, pH 7.5)
- Unit Definition** One unit will hydrolyze 1.0 μ mole of acetylcholine to choline and acetate per min at pH 8.0 at 37°C.

Storage and Shipping Information

- Storage** -20°C