

## **Native Human erythrocytes Acetylcholinesterase**

Cat. No. NATE-0019

Lot. No. (See product label)

## Introduction

- **Description** Native Human Erythrocytes Acetylcholinesterase for research on enzyme activity and red blood cell function. Ideal for biochemistry and hematology studies. Creative Enzymes provides high-quality, trusted products.
- **Applications** Acetylcholinesterase (AChE) from Creative Enzymes has been used in the structure-activity study of phosphoramido acid esters as inhibitors of AChE.
- Synonymstrue cholinesterase; choline esterase I; cholinesterase; acetylthiocholinesterase; acetylcholine hydrolase;<br/>acetyl; β-methylcholinesterase; AcCholE; EC 3.1.1.7; 9000-81-1; Acetylcholinesterase; AChE;<br/>acetylhydrolase

## **Product Information**

Species	Human
Source	Human erythrocytes
Form	buffered aqueous solution. Solution in 20 mM HEPES, pH 8.0, containing 0.1% TRITON X-100
EC Number	EC 3.1.1.7
CAS No.	9000-81-1
Molecular Weight	~80 kDa
Activity	> 500 units/mg protein (BCA)
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Acetylcholine Synthesis, organism- specific biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Cholinergic synapse, organism-specific biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Monoamine Transport, organism-specific biosystem
Function	acetylcholine binding; acetylcholine binding; acetylcholinesterase activity; acetylcholinesterase activity; beta-amyloid binding; carboxylesterase activity; cholinesterase activity; collagen binding; hydrolase activity; laminin binding; protein binding; protein homodimerization activity; protein homodimerization activity; protein self-association; serine hydrolase activity
Unit Definition	One unit will hydrolyze 1.0 $\mu mole$ of acetylthiocholine iodide per min at pH 7.4 at 37°C.

## Storage and Shipping Information

Storage 2-8°C