

## Native Rabbit Esterase

Cat. No. NATE-0238

Lot. No. (See product label)

### Introduction

#### Description

An esterase is a hydrolase that splits esters into acids and alcohols

#### Applications

Esterase from rabbit liver has been used in a study to investigate a toxic effect of carbamate insecticides. Esterase from rabbit liver has also been used in a study to investigate the effect of simvastatin on expression and activity of a lipoprotein-associated phospholipase A. The enzyme from Creative Enzymes has been used to study the effect of divalent metal ions on the activity of esterase.

#### Synonyms

EC 3.1.1.1; ali-esterase; B-esterase; monobutyrase; cocaine esterase; procaine esterase; methylbutyrase; vitamin A esterase; butyryl esterase; carboxyesterase; carboxylate esterase; carboxylic esterase; methylbutyrate esterase; triacetin esterase; carboxyl ester hydrolase; butyrate esterase; methylbutyrase;  $\alpha$ -carboxylesterase; propionyl esterase; nonspecific carboxylesterase; esterase D; esterase B; esterase A; serine esterase; carboxylic acid esterase; cocaine esterase; 9016-18-6

### Product Information

#### Species

Rabbit

#### Source

Rabbit liver

#### Form

Lyophilized powder containing Tris buffer salts

#### EC Number

EC 3.1.1.1

#### CAS No.

9016-18-6

#### Activity

> 75 units/mg protein

#### Unit Definition

One unit will hydrolyze 1.0  $\mu$ mole of ethyl butyrate to butyric acid and ethanol per min at pH 8.0 at 25°C.

### Storage and Shipping Information

#### Storage

-20°C