

## Esterase from *Bacillus stearothermophilus*, Recombinant

Cat. No. NATE-0241

Lot. No. (See product label)

### Introduction

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

**Applications** Esterase, from *Bacillus stearothermophilus*, may be used for the characterization of novel esterases. This product is recombinant and expressed in *E. coli*.

**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** *Bacillus stearothermophilus*

**Source** *E. coli*

**EC Number** EC 3.1.1.1

**CAS No.** 9016-18-6

**Activity** > 8.0 units/mg

**Unit Definition** 1 U corresponds to the amount of enzyme which converts 1  $\mu$ mol 4-nitrophenyl-L-acetate per minute at pH 7.5 and 30°C.

### Usage and Packaging

**Package** Bottomless glass bottle. Contents are inside inserted fused cone.

### Storage and Shipping Information

**Storage** -20°C