

Esterase from *Bacillus subtilis*, Recombinant

Cat. No. NATE-0242

Lot. No. (See product label)

Introduction

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

Applications Esterase, from *Bacillus subtilis*, may be used in protein engineering research as well as to study the kinetic resolution of acetates of arylaliphatic tertiary alcohols. This product is recombinant and expressed in *E. coli* (> 10 units/mg).

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; α -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 subtilis*

Source *E. coli*

EC Number EC 3.1.1.1

CAS No. 9016-18-6

Activity Type I, > 10 units/mg; Type II, > 0.8 units/mg.

Unit Definition 1 U corresponds to the amount of enzyme which converts 1 μ 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