

Native Acetyl esterase from Microbial

Cat. No. NATE-1169

Lot. No. (See product label)

Introduction

Description	Catalyzed reaction: Hydrolysis of acetyl esters. Known substrates: Acetylated xylan, ethyl acetate, cephalosporin C and derivatives.
Applications	Desacetylation of β -lactam antibiotics; Broad range esterase; Desacethylation of other substrates
Synonyms	Acetyl esterase (Lyophilized); Acetyl esterase; EC 3.1.1.72

Product Information

Source	Microbial
Form	Lyophilized
EC Number	EC 3.1.1.72
Activity	> 50 U/mg of powder
Optimum pH	8
Optimum temperature	55 °C
Inhibitors	The enzyme is inhibited by divalent cations as Ca, Co, Cu, Fe, Mn, Zn
Buffer	K-phosphate buffer 40 mM pH6.5
Unit Definition	One Unit is defined as the amount of enzyme that catalyses the hydrolysis of 1 micromole of Ethyl acetate per minute at 25°C at pH 7.0

Storage and Shipping Information

Storage	Store at -20°C
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