Creative Enzymes®

Native Candida Rugosa Cholesterol Esterase

Cat. No. NATE-1679

Lot. No. (See product label)

Introduction

Description	Cholesterol esterase (CE) is also known as cholesterol ester hydrolase. This enzyme catalyzes the following reaction: Sterol Ester --------> Sterol + Fatty Acid. Cholesterol esterase activity has been demonstrated in pancreas, intestine, liver and kidney. The enzyme is inactivated by proteolytic enzymes but stabilized by proteolytic enzyme inhibitors and by bile salts. CE from rat pancreas has a molecular weight of 65,000-69,000. In the presence of bile salts, it aggregates to a hexamer which is possibly the active form of the enzyme.
Synonyms	cholesterol esterase; cholesteryl ester synthase; triterpenol esterase; cholesteryl esterase; cholesteryl ester hydrolase; sterol ester hydrolase; cholesterol ester hydrolase; cholesterase; acylcholesterol lipase; sterol esterase; CE

Product Information

Source	Candida Rugosa
Form	Freeze-dried powder
EC Number	EC 3.1.1.13
CAS No.	9026-00-0
Purity	90.00%
Activity	25-100 U/mg
Solubility	Distilled water or dilute buffer
Unit Definition	That amount of enzyme which will catalyze the hydrolysis of one micromole of cholesterol ester, in the presence of sodium cholate, per minute at 37°C and pH 6.7.

Storage and Shipping Information

Storage	Store at -20° C