

## Cholesterol Esterase, Recombinant

Cat. No. DIA-416

Lot. No. (See product label)

### Introduction

**Description** Cholesterol esterase is capable of catalyzing the hydrolysis of cholesterol ester to produce free cholesterol and free fatty acid (FFA).

### Product Information

**Appearance** White or yellowish amorphous powder

**EC Number** EC 3.1.1.13

**CAS No.** 9026-00-0

**Molecular Weight** 52KD

**Activity**  $\geq 15\text{U/mg}$

**Isoelectric point** 5.5

**pH Stability** pH 4.0-9.0

**Optimum pH** pH 5.0-8.5

**Optimum temperature** 45°C

**Unit Definition** One unit of enzyme activity is equal to the amount of enzyme that generates 1 micromole of hydrogen peroxide (1/2 millimole of quinone dye) in 1 minute under the following reaction conditions.

### Storage and Shipping Information

**Storage** Stable at -20°C for at least one year