Creative Enzymes®

Native wheat germ Lipase

Cat. No. NATE-1615

Lot. No. (See product label)

Introduction

Description	Triacylglycerol lipase is an enzyme with system name triacylglycerol acylhydrolase. This enzyme catalyses the following chemical reaction:triacylglycerol + H2O↔ diacylglycerol + a carboxylate.
Synonyms	Triacylglycerol acylhydrolase; Triacylglycerol lipase

Product Information

Source	Wheat germ
Form	Lyophilized powder. Contains acid phosphatase.
EC Number	EC 3.1.1.3
CAS No.	9001-62-1
Activity	Lipase: 5-15 units/mg protein Acid Phosphatase < 1.0 units/mg protein
Composition	Protein, >70%
Unit Definition	One unit will hydrolyze 1.0 microequivalent of fatty acid from a triglyceride in 1 hr at pH 7.4 at 37 °C. (This is equivalent to approx. 10 microliters of CO2 in 30 minutes.) One unit will hydrolyze 1.0 micromole p-nitrophenyl phosphate per minute at pH 4.8 at 37 °C.

Storage and Shipping Information

Storage	2-8°C