

Native *Thermus flavus* Lipase

Cat. No. NATE-1614

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

Thermus flavus

Form

Lyophilized powder

EC Number

EC 3.1.1.3

CAS No.

9001-62-1

Activity

>3.0 units/g

Optimum temperature

65–70 °C

Unit Definition

One unit will liberate 1.0 μmole of palmitic acid per minute at pH 8.0 and 65 °C from p-nitrophenylpalmitate.

Usage and Packaging

Preparation Instructions

The product is soluble in 50 mM Tris-HCl, pH 8.0, yielding an off-white, slightly hazy solution. The solution is stable for at least one month at 2–8 °C.

Storage and Shipping Information

Storage

2–8 °C

Stability

2 years