

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