
Product Data Sheet

Product Name: Lipase A
Cat. No.: GP21882
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.

Solubility It is recommended to reconstitute the lyophilized Lipase-A in sterile 10%-50% DMSO, isopropyl ether, petroleum ether, ethanol, acetone and isopropanol.

Formulation The protein was lyophilized without additives.

Introduction

Lipase (EC 3.1.1.3) is a ubiquitous enzyme that catalyzes the hydrolysis of fats and oil. The *Serratia marcescens* lipase is recognized for its excellent enantioselectivity in biocatalytic hydrolysis of trans-3-(4-methoxyphenyl) glycidic acid methyl ester [(±)-MPGM] to produce (2R, 3S)-3-(4-methoxyphenyl) glycidic acid methyl ester [(-)-MPGM].

Biological Activity

580 units/mg powder.

Stability

Recombinant Lipase-A although stable at room temp for 1 week, should be stored desiccated below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

Recombinant Immobilized *Serratia marcescens* Lipase-A is expressed in E.Coli having a Mw of 65 kDa is purified by standard chromatography techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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