

## 32-2505: Lipase-A Recombinant Protein

### Description

Source : Escherichia Coli. Recombinant Immobilized Serratia marcescens Lipase-A is expressed in E.Coli having a Mw of 65 kDa is purified by standard chromatography techniques. 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], an important intermediate for the synthesis of diltiazem hydrochlorid.

### Product Info

<b>Amount :</b>	100 mg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The protein was lyophilized without additives.
<b>Storage condition :</b>	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.

### Application Note

It is recommended to reconstitute the lyophilized Lipase-A in sterile 10%-50% DMSO, isopropyl ether, petroleum ether, ethanol, acetone and isopropanol. 580 units/mg powder.

