

Native Lipoprotein Lipase (LPL) from Microorganism

Product Information

Cat#	BDE-023
Specification	2 KU
Description	Lipoprotein Lipase (LPL) hydrolyzes triglycerides in lipoproteins and is a key enzyme in lipid profile analysis and cardiovascular disease assessment.
Applications	Used in triglyceride assay kits to hydrolyze triglycerides in lipoproteins for subsequent measurement.
Enzyme Commission Number	EC 3.1.1.34
Form	White to brown amorphous lyophilized powder
Source	Microorganism
Activity	≥ 15 U/mg
Unit Definition	One unit is defined as the amount of enzyme required to produce 1 μmol of glycerol per minute under specified assay conditions.
Molecular Weight	47 kDa (SDS-PAGE)
Purity	≥ 90%
Optimum pH	7.5
Optimum temperature	50°C
pH Stability	6.0-10.0 (25°C, 16 h)
Thermal Stability	< 50°C (pH 7.5, 30 min)
Isoelectric Point	5.2
Km Value	3.95×10 ⁻³ M
Inhibitors	Ag ⁺ , Hg ²⁺ , Cr ²⁺ , Sn ²⁺ , Cu ²⁺



Creative Enzymes

Diagnostic Enzymes

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Protectant

BSA

Storage

Store at -25°C to -15°C for 12 months to maintain at least 80% activity.

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