

Native L-Glycerol-3-phosphate Oxidase (G3PO) from Microorganism

Product Information

Cat#	BDE-024
Specification	2 KU
Description	L-Glycerol-3-phosphate Oxidase (G3PO) oxidizes glycerol-3-phosphate to produce hydrogen peroxide and is used in enzymatic assays for triglycerides.
Applications	Used in triglyceride assay kits to generate a detection signal through the oxidation of triglyceride triphosphate.
Enzyme Commission Number	EC 1.1.3.21
Form	Yellow-green amorphous lyophilized powder
Source	Microorganism
Activity	≥ 5 U/mg
Unit Definition	One unit is defined as the amount of enzyme required to consume 1 μmol of glycerol-3-phosphate per minute under specified assay conditions.
Molecular Weight	75 kDa (SDS-PAGE)
Purity	≥ 90%
Optimum pH	8.0-8.5
Optimum temperature	40°C
Isoelectric Point	4.2
Inhibitors	SDS, Ag ⁺ , Hg ²⁺
Storage	Store at -25°C to -15°C for 12 months to maintain at least 80% activity.