

Native Ketoamine Oxidase (KAOD) from Microorganism

Product Information

Cat#	BDE-033
Specification	1 KU, 10 KU, 50 KU
Description	Ketoamine Oxidase (KAOD) directly oxidizes glycated amino groups and is used for enzymatic monitoring of glycated serum proteins and diabetes.
Applications	Applied in glycated serum protein assay kits for monitoring blood glucose control levels in diabetic patients.
Enzyme Commission Number	EC 1.5.3
Form	Yellow amorphous lyophilized powder
Source	Microorganism
Activity	≥ 4 U/mg
Unit Definition	One unit is defined as the amount of enzyme required to catalyze the formation of 1 μmol of H ₂ O ₂ per minute under specified assay conditions.
Molecular Weight	55 kDa (SDS-PAGE)
Purity	≥ 90%
Optimum pH	7.7
Optimum temperature	42°C
pH Stability	5.0-9.5 (25°C, 16h)
Thermal Stability	< 40°C (pH 8.0, 30 min)
Isoelectric Point	6.0
Km Value	5.0×10 ⁻⁴ M (Fructosyl-Ala)
Inhibitors	Hg ²⁺ , Pb



Creative Enzymes

Diagnostic Enzymes

Native Ketoamine Oxidase (KAOD) from Microorganism

Protectant Glycerin, trehalose

Storage Store at -25°C to -15°C for 12 months to maintain at least 90% activity.

Tel: 1-631-562-8517 1-516-512-3133

Email: info@creative-enzymes.com

Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA