

Recombinant Alkaline Phosphatase (Low Glycation)

Product Information

Cat#	IME-002
Description	Alkaline phosphatases are non-specific hydrolases that catalyze the hydrolysis of monophosphate esters under alkaline conditions. Alkaline phosphatase derived from bovine small intestine is a homodimer known for high activity and excellent thermal stability.
Applications	Used in high-sensitivity immunoassay kits; low glycation ensures batch-to-batch consistency and assay stability.
CAS No.	9001-78-9
Enzyme Commission Number	EC 3.1.3.1
Source	P. bacillus genetically engineered to express calf intestinal alkaline phosphatase
Activity	≥ 2000 U/mg
Concentration	20±1 mg/mL
Molecular Weight	117 kDa
Purity	≥ 95% by HPLC
Storage Buffer	NaCl, 3 mol/L; MgCl ₂ , 5 mmol/L; ZnCl ₂ , 0.1 mmol/L; Tea, 30 mmol/L, pH 7.6
Storage	Store at 2-8 °C in a sealed container.