



# Creative Enzymes

Diagnostic Enzymes

## Recombinant Alkaline Phosphatase

### Product Information

<b>Cat#</b>	IME-001
<b>Description</b>	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.
<b>Applications</b>	Used for signal labeling and dephosphorylation in enzyme-linked immunosorbent assay (ELISA) and chemiluminescence detection systems.
<b>CAS No.</b>	9001-78-9
<b>Enzyme Commission Number</b>	EC 3.1.3.1
<b>Source</b>	P. bacillus genetically engineered to express calf intestinal alkaline phosphatase
<b>Activity</b>	≥ 2000 U/mg
<b>Concentration</b>	10±1 mg/mL
<b>Molecular Weight</b>	140 kDa
<b>Purity</b>	≥ 95% by HPLC
<b>Storage Buffer</b>	NaCl, 3 mol/L; MgCl <sub>2</sub> , 5 mmol/L; ZnCl <sub>2</sub> , 0.1 mmol/L; Tea, 30 mmol/L, pH 7.6
<b>Storage</b>	Store at 2-8 °C in a sealed container.

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