Creative Enzymes
Diagnostic Enzymes

Alkaline Phosphatase from Escherichia coli

Product Information

Cat#	DIA-490
Source	Escherichia coli
Description	Alkaline phosphatase from Escherichia coli is a robust hydrolase that catalyzes the removal of phosphate groups from a wide range of substrates under alkaline conditions. It is extensively used in molecular biology workflows, including DNA and RNA dephosphorylation, probe labeling, and immunoassays. This enzyme exhibits high catalytic efficiency, broad substrate specificity, and reliable performance, making it a standard reagent for nucleic acid manipulation and biochemical analysis.
Form	Suspension
Unit Definition	One unit hydrolyzes 1 μmol of p-nitrophenol phosphate per minute at 25 °C, pH 8.0.
Storage	2–8 °C
Molecular Weight	140 kDa
Concentration	10 U/mg protein
Package	10 mg

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