

Alkaline Phosphatase

Product Information

Cat#	DIA-599
Descriptions	Alkaline Phosphatase features broad substrate spectrum and excellent thermal stability, efficiently dephosphorylating nucleotide esters and organic phosphates, serving as core tool enzyme for immunoassay and nucleic acid modification experiments.
Applications	Alkaline Phosphatase acts as a core raw material for enzyme-linked immunosorbent assay kits and chromogenic reagent development for biochemical detection systems.
Features	Dephosphorylation of DNA and RNA 5' and 3' termini. Can be used for DNA dephosphorylation before terminus-labelling by T4 polynucleotide kinase. Used for treatment of dNTPs in PCR reactions prior to sequencing or SNP analysis. Reducing the immunogenicity of mRNA in mammals by dephosphorylating mRNA. Avoiding re-cyclization during the cloning process by dephosphorylating DNA cloning vector. No BSA system, less heat source contamination.
CAS No.	9001-78-9
Enzyme Commission Number	EC 3.1.3.1
Synonyms	AlkalinePhosphatase, (Ammonium SulfateSuspension CalfIntestine); ALKALINEPHOSPHATASE,RECOMBINANT,MOLECULARBIOLOGYGRADE; ALKALINEPHOSPHATASE (AP),ORIGINBOVINEINTESTINE,RECOMBINANT; alkalinephosphatasefromcalfintestinalmucosa; phosphatase,alkalinefromescherichiacoli
Package	I: Alkaline Phosphatase (5 U/μL): 100 μL/1000 μL; II: Reaction Buffer: 1.5 mL/15 mL
Usage & Dosage	1x Reaction buffer contains 50 mM Bis-Tris-Propane-HCL, PH 6, 1 mM MgCl ₂ and 0.1 mM ZnCl ₂ .