

Amersham Shrimp Alkaline Phosphatase



Alkaline Phosphatase catalyzes the removal of 5'- and 3'-Phosphate groups from DNA, RNA, Nucleotides and Proteins.

Alkaline phosphatase is suitable for dephosphorylation of 5' and 3'-overhangs, recessed ends, blunt ends, and single nucleotides. Following incubation, alkaline phosphatase can be easily inactivated by heating.

- Bacterial alkaline phosphatase recombinantly expressed in *E. coli*.
- Active in PCR and restriction endonuclease buffers.
- Inactivated by heating at 75°C for 5 minutes.

Use together with Exonuclease (</shop/molecular-biology/pcr-and-amplification/gel-extraction-and-clean-up/illustra-exonuclease-i-p-03102>) I for cleaning up PCR reactions prior to downstream application such as DNA sequencing.

Unit Definition

One unit is the amount of the enzyme required to dephosphorylate 1 µg of linearized pUC57 DNA termini in 10 minutes at 37°C.

SELECT YOUR MODEL

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| Parameter | Amersham Shrimp Alkaline Phosphatase |
|------------------|---|
| Includes | 10x reaction buffer: 200 mM Tris-HCl, pH 8.0, 100 mM MgCl ₂ ; Dilution buffer: 50 mM Tris-HCl, pH 8.0 |
| Activity | 1 unit/ μ l |
| Purity | The enzyme is purified to apparent homogeneity and is free of all contaminating endonucleases, exonucleases and ribonucleases |
| Pack size | 500 units |