

ALPI

Native Bovine Alkaline Phosphatase Intestinal

Catalog No.	CSI14879	Quantity:	1.0 mg
	CSI14880		5 mg
	CSI14881		35 mg

Alternate Names: IAP, intestinal alkaline phosphatase, intestinal alkaline phosphatase V

Description: The Alkaline Phosphatase is purified by affinity chromatography, which results in an enzyme of high specific activity and purity. Alkaline Phosphatase is Dimeric protein having a molecular weight of 140 kDa, one Zn⁺⁺ ion is tightly bound to each subunit, and another less tightly bound is involved in the catalytic reaction. Mg⁺⁺ stimulates the catalysis. The binding site for Mg⁺⁺ is different to that of Zn⁺⁺, but will be occupied by excess Zn⁺⁺ followed by loss of enzyme activity.

Physical Appearance: Sterile Filtered clear colorless solution.

Gene ID: 280993

Source: Calf Intestine.

Molecular Weight: 140 kDa

Formulation: 50% glycerol + 5 mM MgCl₂ + 0.1 mM ZnCl₂ and 5 mM TRIS, pH 7.0.

Purity: 95% pure by Gel Filtration.

Biological Activity: >1000 U/mg (pH 9.6) + 25°C and 0.025 M glycine + 10% glycerol as buffer.

Storage & Stability: AP should be stored at 4°C.
Please Do-Not freeze.

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