

## ALPI

### Native Bovine Alkaline Phosphatase, Intestinal-type

<b>Catalog No.</b>	CSI14879	<b>Quantity:</b>	1.0 mg
	CSI14880		5 mg
	CSI14881		30 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<sup>++</sup> ion is tightly bound to each subunit, and another less tightly bound is involved in the catalytic reaction. Mg<sup>++</sup> stimulates the catalysis. The binding site for Mg<sup>++</sup> is different to that of Zn<sup>++</sup>, but will be occupied by excess Zn<sup>++</sup> followed by loss of enzyme activity.

**UniProt ID:** P19111

**Gene ID:** 280993

**Source:** Calf Intestine.

**Molecular Weight:** 140 kDa

**Formulation:** Sterile filtered solution containing 50% glycerol, 5 mM MgCl<sub>2</sub>, 0.1 mM ZnCl<sub>2</sub> and 5 mM Tris-HCl, pH 7.0.

**Purity:** 95% pure by Gel Filtration.

**Biological Activity:** >1500 U/mg at pH 9.6, 25°C, 0.025 M glycine, with 10% glycerol buffer.

**Storage & Stability:** Store at 2-8°C.  
**Do not freeze.**

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

