

## 32-2174: Bovine Alkaline Phosphatase Native Protein

**Alternative Name :** EC 3.1.3.1,IAP,AP,ALPI,Intestinal-type alkaline phosphatase,Intestinal alkaline phosphatase.

### Description

Source : Calf Intestine. 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.

### Product Info

**Amount :** 5 mg  
**Content :** 50% glycerol, 5mM MgCl<sub>2</sub>, 0.1mM ZnCl<sub>2</sub> and 5mM TRIS, pH 7.0.  
**Storage condition :** AP should be stored at 4°C. Please Do-Not freeze.

### Application Note

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