

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^{++} 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.

Product Info

Amount : 5 mg
Content : 50% glycerol, 5mM $MgCl_2$, 0.1mM $ZnCl_2$ 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).

