

Name	Alkaline Phosphatase Bovine
Description	Alkaline Phosphatase Bovine Intestinal
Shipped	Shipped with Ice Packs
Catalogue Number	PRO-ENZ-322

SYNONYMS

EC 3.1.3.1, IAP, AP, ALPI, Intestinal-type alkaline phosphatase, Intestinal alkaline phosphatase.

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.

SOURCE

Calf Intestine.

PHYSICAL APPEARANCE

Sterile Filtered clear colorless solution.

FORMULATION

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

STABILITY

AP should be stored at 4°C. Please Do-Not freeze.

PURITY

95% pure by Gel Filtration.

BIOLOGICAL ACTIVITY

>1500 U/mg (pH 9.6), 25°C and 0.025M glycine, 10% glycerol as buffer.

USAGE

For LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.