

Alkaline Phosphatase Bovine Intestinal

Item Number rAP-1535

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.

Uniprot Accesion Number P19111

Amino Acid Sequence

Source Calf Intestine.

Physical Appearance and Stability Sterile Filtered clear colorless solution. AP should be stored at 4°C. Please Do-Not freeze.

Formulation and Purity 50% glycerol, 5mM MgCl₂, 0.1mM ZnCl₂ and 5mM TRIS, pH 7.0. 95% pure by Gel Filtration.

Application

Solubility

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

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**