

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 a 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 Accession 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 MgCl ₂ , 0.1mM ZnCl ₂ 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 end users! This product is sold for **Research Use Only**