

Bovine Alkaline Phosphatase Recombinant Protein



RPPB1512

Product Information Protein Information

Product SKU:

RPPB1512

Accession:

P19111

Host:

Calf Intestine.

Protein 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.

Appearance:

Sterile Filtered clear colorless solution.

Synonyms:

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

Formulation:

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

Purity:

95% pure by Gel Filtration.

Stability:

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

Biological Activity:

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