

Native Bovine Intestinal Alkaline Phosphatase

Cat. No. BIAP-76B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Bovine Intestinal Alkaline Phosphatase was purified from bovine intestinal mucosa.
Species	Bovine
Source	Bovine Intestinal Mucosa
Description	Alkaline phosphatase (ALP, ALKP) is a hydrolase enzyme responsible for removing phosphate groups from many types of molecules, including nucleotides, proteins, and alkaloids. The process of removing the phosphate group is called dephosphorylation. As the name suggests, alkaline phosphatases are most effective in an alkaline environment. It is sometimes used synonymously as basic phosphatase.
Molecular Mass	dimer mol wt ~160 kDa
Applications	High specific activity grade recommended for antibody and protein conjugation.
Storage	2-8°C

GENE INFORMATION

Gene Name	ALPI alkaline phosphatase, intestinal [Bos taurus]
Official Symbol	ALPI

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Synonyms	IAP; intestinal-type alkaline phosphatase; intestinal alkaline phosphatase V
Gene ID	280993
mRNA Refseq	NM_173987
Protein Refseq	NP_776412
Chromosome Location	2q45
Pathway	Folate biosynthesis, organism-specific biosystem; Folate biosynthesis, conserved biosystem; tetrahydrofolate biosynthesis I mammals, organism-specific biosystem
Function	alkaline phosphatase activity; magnesium ion binding; zinc ion binding

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