

Native Bovine ALPI

Cat. No. ALPI-8348B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Bovine ALPI was purified from Bovine intestinal tissue.
Species	Bovine
Source	Bovine Intestine
Description	Alkaline Phosphatase (ALP) is found in many different tissues and organs, including liver, bone, intestine, placenta, kidneys, lungs and red blood cells. This is Alk Phos isolated from Bovine intestine and intended for use in biosensors and color indication agent in diagnostic assays. High activity at approximately 6000 u/mg.
Form	Liquid in 50% glycerol, containing 5 mM Tris-HCl buffer, pH 7.0, 5 mM magnesium chloride and 0.1 mM zinc chloride.
Unit Definition	The amount of enzyme causing the hydrolysis of one micromole of p- nitrophenyl phosphate per minute at 25°C and pH 9.6.
Concentration	>50 U/mg

GENE INFORMATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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