

## Native Calf Alkaline Phosphatase

Cat. No. NATE-0054

Lot. No. (See product label)

### Introduction

**Description** Alkaline phosphatase (ALP, ALKP, ALPase, Alk Phos) (EC 3.1.3.1) 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.

**Synonyms** Alkaline phosphatase; ALP; ALKP; ALPase; Alk Phos; EC 3.1.3.1; Alkaline phosphomonoesterase; Glycerophosphatase; Phosphomonoesterase

### Product Information

<b>Species</b>	Calf
<b>Source</b>	Calf intestine
<b>Form</b>	A solution in 50% glycerol containing 5mM Tris, 5mM MgCl <sub>2</sub> and 0.1mMZnCl <sub>2</sub> .
<b>EC Number</b>	EC 3.1.3.1
<b>CAS No.</b>	9001-78-9
<b>Purity</b>	Chromatographically purified, EIA grade.
<b>Activity</b>	> 3,000 units per mg protein (37°C, pH9.8, DEA)
<b>Concentration</b>	20mg/ml
<b>Unit Definition</b>	One Unit hydrolyzes 1μmole of p-nitrophenol phosphate per minute at 37°C, pH 9.8.

### Storage and Shipping Information

**Storage** 2-8°C