

## Native Porcine Alkaline Phosphatase

Cat. No. NATE-0058

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

#### Species

Porcine

#### Source

Porcine intestinal mucosa

#### EC Number

EC 3.1.3.1

#### CAS No.

9001-78-9

#### Activity

> 1 unit/mg solid (in glycine buffer)

#### Unit Definition

One unit will hydrolyze 1.0  $\mu$ mole of 4-nitrophenyl phosphate per minute at pH 10.4 at 37°C.

### Storage and Shipping Information

#### Storage

–20°C