

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 μ mole of 4-nitrophenyl phosphate per minute at pH 10.4 at 37°C.

Storage and Shipping Information

Storage -20°C