

## Native Bovine Acid Phosphatase, Prostatic

Cat. No. NATE-0082

Lot. No. (See product label)

### Introduction

**Description** Native Bovine Acid Phosphatase (Prostatic) for advanced research on phosphatase activity and prostate function. Ideal for enzymology and biochemistry studies. Creative Enzymes ensures reliable, high-purity products.

**Applications** Acid phosphatase is routinely used to dephosphorylate proteins and nucleic acids. Acid phosphatase is an acid hydrolase that normally resides in lysosomes. It is used as marker for the identification of lysosomes in subcellular fractionations. Prostatic acid phosphatase has been used to study the stereochemical course of phospho group.

**Synonyms** acid phosphatase; 9001-77-8; acid phosphomonoesterase; phosphomonoesterase; glycerophosphatase; acid monophosphatase; acid phosphohydrolase; acid phosphomonoester hydrolase; uteroferrin; acid nucleoside diphosphate phosphatase; orthophosphoric-monoester phosphohydrolase (acid optimum); EC 3.1.3.2; APase

### Product Information

**Species** Bovine

**Source** Bovine semen

**Form** lyophilized powder

**EC Number** EC 3.1.3.2

**CAS No.** 9001-77-8

**Activity** ~2 units/g solid

**Unit Definition** One unit will hydrolyze 1.0  $\mu$ mole of p-nitrophenyl phosphate per min at pH 4.8 at 37°C.

### Storage and Shipping Information

**Storage** -20°C