

## 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