

## Prostatic acid phosphatase from Human, recombinant

Cat. No. NATE-1673

Lot. No. (See product label)

### Introduction

**Description** ACPP, also known as prostatic acid phosphatase isoform PAP, is a type I integral membrane protein of the plasma membrane and lysosomes, and a secreted form also exists. The concentration of ACPP is elevated in the circulation of prostate cancer patients, making the enzyme a marker for the progression of prostate cancer. Recombinant human ACPP, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Synonyms** Prostatic acid phosphatase; PAP; prostatic specific acid phosphatase; PSAP; EC 3.1.3.2; ACP; Acid Phos; 5'-nucleotidase; 5'-NT; Ecto-5'-nucleotidase; Thiamine monophosphatase; TMPase; PAPf39; ACPP; ACP-3, ACP3

### Product Information

**Species** Human

**Source** Baculovirus

**Form** Liquid

**EC Number** EC 3.1.3.2

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

**Molecular Weight** 41.8 kDa

**Purity** > 95% by SDS-PAGE

**Activity** >100,000 units/mg

**Concentration** 0.5 mg/ml

**Endotoxin Level** < 1.0 EU per/μg

**Unit Definition** One unit is defined as the amount of enzyme that hydrolyze 1.0 nmoles of p-nitrophenyl phosphate (pNPP) per minute at pH 5.0 at 37°C.

### Storage and Shipping Information

**Storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -70°C. Avoid repeated freezing and thawing cycles.