

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.