

# Recombinant Human Prostatic Acid Phosphatase/ACPP Protein (His Tag)

Catalog Number:PKSH032950

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

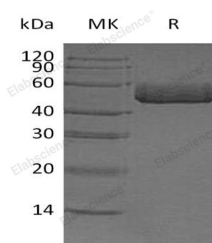
## Description

<b>Synonyms</b>	Prostatic Acid Phosphatase;PAP;5'-Nucleotidase;5'-NT;Ecto-5'-Nucleotidase;Thiamine Monophosphatase;TMPase;ACPP;ACP-3;ACP3
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Lys33-Asp386
<b>Accession</b>	AAH16344.1
<b>Calculated Molecular Weight</b>	42.0 kDa
<b>Observed molecular weight</b>	50 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Prostatic Acid Phosphatase (PAP) belongs to the histidine acid phosphatase family. PAP can catalyze the hydrolysis of member of phosphate monoesters, including phosphorylated protein. PAP can high expression in metastasized prostate cancer, moderately expression level in bone diseases, blood cell disease, and the concentration of PAP is used to monitor and assess the proession of prostate cancer. The optimum PH of PAP is from 4 to 6; its activity can be inhibited by L(+)-tartrate.

## For Research Use Only

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