

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



Catalog Number:PKSH032950

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

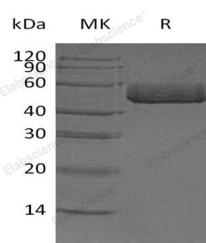
Description

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

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	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.
Formulation	Supplied as a 0.2 μ m filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
Reconstitution	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 progression of prostate cancer. The optimum PH of PAP is from 4 to 6; its activity can be inhibited by L(+)-tartrate.

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