Human Prostatic Acid Phosphatase/ACPP (His Tag) recombinant protein

Catalog Number: 501324

General Information

Gene Name Synonym

5'-nucleotidase; Ecto-5'-nucleotidase; Thiamine monophosphatase; PAPf39

Protein Construction

A DNA sequence encoding the human ACPP (NP_001127666.1) (Met 1-Lys 382) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave a substrate, pNitrophenyl phosphate (pNPP). The specific activity is >100,000 pmol/min/μg.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Lys 33

Molecular Mass

The recombinant human ACPP consists of 361 amino acids and has a predicted molecular mass of 42 kDa. The apparent molecular mass of rh ACPP is approximately 45-55 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

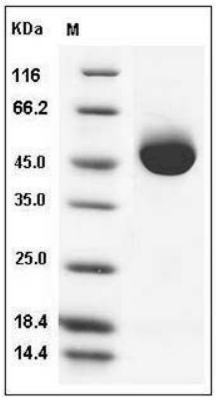
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human Prostatic Acid Phosphatase / ACPP Protein (His Tag) SDS-PAGE