

Human ACP1 / LMW-PTP (GST Tag) recombinant protein



Catalog Number: 501462

General Information

Gene Name Synonym

Adipocyte acid phosphatase; Low molecular weight cytosolic acid phosphatase; Red cell acid phosphatase 1

Protein Construction

A DNA sequence encoding human ACP1 (AAI06012.1) (Met 1-His 158) was fused with the GST tag at the N-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Measured by its ability to cleave a substrate, pNitrophenyl phosphate (pNPP). The specific activity is >65,000 pmol/min/μg.

Purity

> 88 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

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

Predicted N terminal

Met

Molecular Mass

The recombinant human ACP1/GST chimera consists of 384 amino acids and predicts a molecular mass of 44.3 kDa. The apparent molecular mass of rh ACP1 is approximately 40 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, 150mM NaCl, pH 8.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

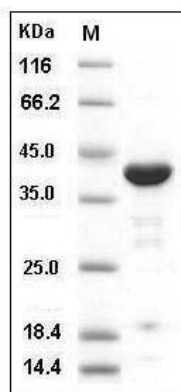
Storage

Store it under sterile conditions at -20°C to -80°C. 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 ACP1 / LMW-PTP Protein (GST Tag) SDS-PAGE