



Recombinant Protein Technical Manual

Recombinant Human ACYP1 Protein (GST Tag)

RPES2432

Product Data:

Product SKU: RPES2432

Size: 20µg

Species: Human

Expression host: E. coli

Uniprot: P07311

Protein Information:

Molecular Mass: 38 kDa

AP Molecular Mass: 37 kDa

Tag: N-GST

Bio-activity:

Purity: > 92 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 20mM Tris, 0.15M NaCl, 0.5mM GSH, pH 8.0

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Acylphosphatase;ACYP1;Acylphosphatase; erythrocyte isozyme;Acylphosphatase; organ-common type isozyme;Acylphosphate phosphohydrolase 1;ACYPE

Immunogen Information:

Sequence: Ala 2-Lys 99

Background:

ACYP1, also known as Acylphosphatase, Acylphosphatase, erythrocyte isozyme, Acylphosphatase, organ-common type isozyme, Acylphosphate phosphohydrolase 1 and ACYPE, is a small cytosolic enzyme which catalyzes the hydrolysis of the carboxyl-phosphate bond of acylphosphates. ACYP1 is a protein which belongs to the acylphosphatase family and contains 1 fibrinogen C-terminal domain. Two isoenzymes have been isolated, called muscle acylphosphatase and erythrocyte acylphosphatase, on the basis of their tissue localization. This gene encodes the erythrocyte acylphosphatase isoenzyme. Alternatively spliced transcript variants that encode different proteins were identified through data analysis. Recombinant human ACYP1 protein was expressed in *E. coli* fused with HIS-tag at N-terminus.