



Recombinant Protein Technical Manual

Recombinant Human ACYP1 Protein (His Tag)

RPES1987

Product Data:

Product SKU: RPES1987

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P07311

Protein Information:

Molecular Mass: 13.4 kDa

AP Molecular Mass: 14 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 µm filtered solution of 20mM Tris, 100mM NaCl, 20% Glycerol, 1mM DTT, pH8.0.

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: Met 1-Lys99

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.