Recombinant Human ACYP1 Protein (GST Tag)

Catalog Number: PKSH030812

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

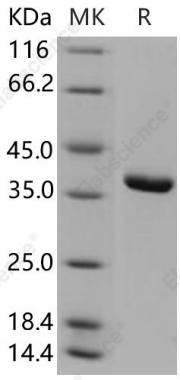
Description

Species	Human
Source	E.coli-derived Human ACYP1 protein Ala 2-Lys 99, with an N-terminal GST
Calculated MW	11 kDa
Observed MW	37 kDa
Accession	P07311
Bio-activity	Not validated for activity

Properties

Purity	> 92% as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, 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 20 mM Tris, 0.15 M NaCl, 0.5 mM GSH, pH 8.0 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 92 % as determined by reducing SDS-PAGE.

Background

ACYP1; also known as Acylphosphatase-1; 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.

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