

# Recombinant Human ACYP1 Protein (GST Tag)

Catalog Number:PKSH030812



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

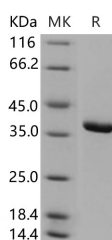
## Description

<b>Synonyms</b>	Acylphosphatase-1;ACYP1;Acylphosphatase;erythrocyte isozyme;Acylphosphatase;organ-common type isozyme;Acylphosphate phosphohydrolase 1;ACYPE
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Ala 2-Lys 99
<b>Accession</b>	P07311
<b>Calculated Molecular Weight</b>	38 kDa
<b>Observed molecular weight</b>	37 kDa
<b>Tag</b>	N-GST

## Properties

<b>Purity</b>	> 92 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile 20mM Tris, 0.15M NaCl, 0.5mM GSH, pH 8.0 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	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.

## For Research Use Only

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Recombinant human ACYP1 protein was expressed in E. coli fused with HIS-tag at N-terminus.

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