

Recombinant Human ACYP1 protein, His-tagged

Cat. No. ACYP1-3458H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACYP1(1-99aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-99 a.a.
Description	ACYP1, also known as erythrocyte acylphosphatase, is a cytosolic enzyme that catalyzes the hydrolysis of the carboxyl-phosphate bond of acylphosphates. Two acylphosphatase isoenzymes exist: ACYP1 and ACYP2. The two isoenzymes share 60% homology and have the same substrate specificity, although ACYP1 has higher catalytic activity than ACYP2.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Molecular Mass	13.6 kDa (122aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHH SSGLVPRGSH MGSTRGSPKSHID KANFNNEKVI LKLDYSDFQI VKMAEGNTL ISVDYEIFGK VQGVFFRKHT QAEGKKLGLV GWVQNTDRGT VQGQLQGPIS KVRHMQEWLE
Purity	>90% by SDS - PAGE

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Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name ACYP1 acylphosphatase 1, erythrocyte (common) type [Homo sapiens]

Official Symbol ACYP1

Synonyms ACYP1; acylphosphatase 1, erythrocyte (common) type; acylphosphatase-1; acylphosphate phosphohydrolase 1; acylphosphatase, erythrocyte isozyme; acylphosphatase, organ-common type isozyme; ACYPE;

Gene ID 97

mRNA Refseq NM_001107

Protein Refseq NP_001098

MIM 600875

UniProt ID P07311

Chromosome Location 14q24.3

Pathway Pyruvate metabolism, organism-specific biosystem; Pyruvate metabolism, conserved biosystem;

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Function

acylphosphatase activity; hydrolase activity;

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