

Recombinant Human ACYP1, His-tagged

Cat. No. ACYP1-26215TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ACYP1 (amino acids 1-99) with an N terminal His tag; 122aa, 13.6kDa.
Species	Human
Source	E.coli
ProteinLength	99 amino acids
Description	Acylphosphatase is a small cytosolic enzyme that catalyzes the hydrolysis of the carboxyl-phosphate bond of acylphosphates. 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.
Conjugation	HIS
Molecular Weight	13.600kDa inclusive of tags
Tissue specificity	Organ-common type isozyme is found in many different tissues.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMG SMAEGNTLISVDYEIFGKVQGVFFRKHTQAEGLK LGLVGWVQNTDRGTVQGQLQGPISKVRHMQEWLETRGSPKSHIDKANFNNEKVIL KLDYSDFQIVK
Sequence Similarities	Belongs to the acylphosphatase family. Contains 1 acylphosphatase-like domain.

GENE INFORMATION

Gene Name	ACYP1 acylphosphatase 1, erythrocyte (common) type [Homo sapiens]
Official Symbol	ACYP1
Synonyms	ACYP1; acylphosphatase 1, erythrocyte (common) type; acylphosphatase-1;
Gene ID	97
mRNA Refseq	NM_001107
Protein Refseq	NP_001098
MIM	600875
Uniprot ID	P07311
Chromosome	14q24.3

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Location	
Pathway	Pyruvate metabolism, organism-specific biosystem; Pyruvate metabolism, conserved biosystem;
Function	acylphosphatase activity; hydrolase activity;

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