

Product information

ACYP1, 1-99aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0928

Full name: Acylphosphatase-1

NCBI Accession No.: NP_001098

Synonyms: ACYPE

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. Recombinant human ACYP1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

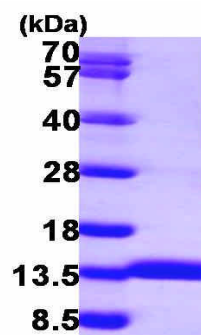
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

0.1M NaCl, 1mM DTT

Molecular Weight: 13.6 kDa (122aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 1.0 mg/ml (determined by BCA assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSSLVPRGSH MGSMAEGNTL ISVDYEIFGK VQGVFFRKHT QAEGKKLGLV GWVQNTDRGT VQQQLQGPIS KVRHMQEWLE TRGSPKSHID KANFNNEKVI LKLDYSDFQI VK

General references:

Fiaschi T, *et al.* (1995). *FEBS Lett.* 367:145–8.

Paoli P., *et al.* (2003). *J. Biol. Chem.* 278: 194-199.

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

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.