Product information

ACP2, 31-380aa

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

Cat. No. IBATGP2959

Full name: Lysosomal acid phosphatase isoform 1

NCBI Accession No.: NP_001601

Synonyms: LAP

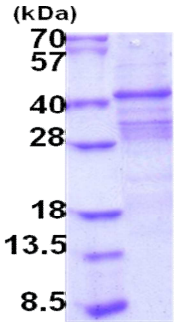
Description: ACP2 also known as Lysosomal acid phosphatase isoform 1. ACP2 is composed of two subunits, alpha and beta, and is chemically and genetically distinct from red cell acid phosphatase. it is a member of a family of distinct isoenzymes which hydrolyze orthophosphoric monoesters to alcohol and phosphate. Acid phosphatase deficiency is caused by mutations in the ACP2 (beta subunit) and ACP3 (alpha subunit) genes. Recombinant human ACP2, fused to His-tag at N-terminus, was expressed in *E.coli*.

Form: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol

Molecular Weight: 42.9kDa (373aa)

Purity: > 85% by SDS - PAGE

Concentration: 1mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSRSLRFVT LLYRHGDRSP VKTYPKDPYQ EEEWPQGFGQ LTKEGMLQHW ELGQALRQRY HGFLNTSYHR QEVYVRSTDF DRTLMSAEAN LAGLFPPNGM QRFNPNISWQ PIPVHTVPIT EDRLLKFPLG PCPRYEQLQN ETRQTPEYQN ESSRNAQFLD MVANETGLTD LTLETVWNVY DTLFCEQTHG LRLPPWASPQ TMQRLSRLKD FSFRFLFGIY QQAEKARLQG GVLLAQIRKN LTLMATTSQL PKLLVYSAHD TTLVALQMAL DVYNGEQAPY ASCHIFELYQ EDSGNFSVEM YFRNESDKAP WPLSLPGCPH RCPLQDFLRL TEPVVPKDWQ QECQLASGPA DTE

General references:

Moss DW., *et al.* (1995) *Critical reviews in clinical laboratory sciences* , 32 (4): 431–67

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

Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com