

Recombinant human ACP2 protein

Catalog Number: ATGP2959

PRODUCT INFORMATION

Expression system

E.coli

Domain

31-380aa

UniProt No.

P11117

NCBI Accession No.

NP_001601

Alternative Names

Lysosomal acid phosphatase isoform 1, LAP

PRODUCT SPECIFICATION

Molecular Weight

42.9 kDa (373aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

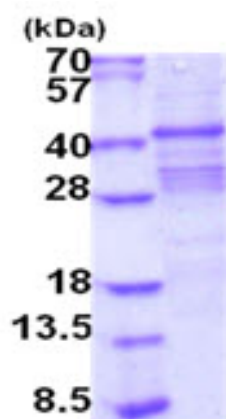
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PCPRYEQLQN ETRQTPEYQN ESSRNAQFLD MVANETGLTD LTLETVWVNY DTLFCEQTHG LRLPPWASPQ TMQRLSRLKD
FSFRFLFGIY QQA EKARLQG GVLLAQIRKN LTLMATTSQL PKLLVYSAHD TTLVALQMAL DVYNGEQAPY ASCHIFELYQ
EDSGNFSVEM YFRNESDKAP WPLSLPGCPH RCPLQDFLRL TEPVVPKDWQ QECQLASGPA DTE

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)