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Product Information

MemDX™ Membrane Protein Human ACP1 (Acid phosphatase 1) for Antibody Discovery

Cat. No.: **MP0973J**
This product is for research use only and is not intended for diagnostic use.

This product is a 17.9 kDa Human ACP1 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
ACP1

Protein Length
Full-length

Protein Class
Druggable Genome, Phosphatase, Transmembrane

Molecular Weight
17.9 kDa

Sequence
MAEQATKSVLFVCLGNICRSPIAEAVFRKLVTDQNISENWRVDSAATSGYEIGNPPDYRGQSCMKRHGIP
MSHVARQITKEDFATFDYILCMDESNLRDLNRKSNRVKTCKAKIELLGSYDPQKQLIIEDPYYGNDSDFE
TVYQQCVRCCRAFLEKAH

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

Purification
Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

ACP1

Full Name

Acid phosphatase 1

Introduction

The product of this gene belongs to the phosphotyrosine protein phosphatase family of proteins. It functions as an acid phosphatase and a protein tyrosine phosphatase by hydrolyzing protein tyrosine phosphate to protein tyrosine and orthophosphate. This enzyme also hydrolyzes orthophosphoric monoesters to alcohol and orthophosphate. This gene is genetically polymorphic, and three common alleles segregating at the corresponding locus give rise to six phenotypes. Each allele appears to encode at least two electrophoretically different isozymes, Bf and Bs, which are produced in allele-specific ratios. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene.

Alternative Names

HAAP; LMWPTP; LMW-PTP

Gene ID

52

UniProt ID

P24666