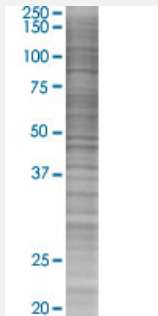


# ACP1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000052-T01

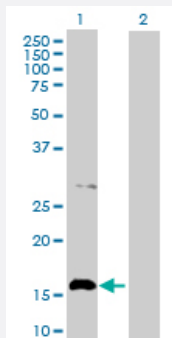
Size 100 uL

## Applications



### SDS-PAGE Gel

ACP1 transfected lysate.



### Western Blot

Lane 1: ACP1 transfected lysate ( 18.00 KDa)

Lane 2: Non-transfected lysate.

## Specification

|                               |                       |
|-------------------------------|-----------------------|
| Transfected Cell Line         | 293T                  |
| Plasmid                       | pCMV-ACP1 full-length |
| Host                          | Human                 |
| Theoretical MW (kDa)          | 18                    |
| Interspecies Antigen Sequence | Mouse (81)            |

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-ACP1 antibody ([H00000052-D01P](#)) by Western Blots.  
SDS-PAGE Gel  
ACP1 transfected lysate.  
Western Blot  
Lane 1: ACP1 transfected lysate ( 18.00 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — ACP1

**Entrez GeneID**[52](#)**GeneBank Accession#**[NM\\_007099.2](#)**Protein Accession#**[NP\\_009030.1](#)**Gene Name**

ACP1

**Gene Alias**

HAAP, MGC111030, MGC3499

**Gene Description**

acid phosphatase 1, soluble

**Omim ID**[171500](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

acid phosphatase of erythrocyte|adipocyte acid phosphatase|cytoplasmic phosphotyrosyl protein phosphatase|low molecular weight phosphotyrosine protein phosphatase|protein tyrosine phosphatase|red cell acid phosphatase 1

## Pathway

- [Adherens junction](#)
- [gamma-Hexachlorocyclohexane degradation](#)
- [Riboflavin metabolism](#)

## Disease

- [Abortion](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Dermatitis](#)
- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Diabetic Ketoacidosis](#)
- [Edema](#)
- [Endometriosis](#)

- [Fetal Growth Retardation](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipidemias](#)
- [Hypersensitivity](#)
- [Insulin Resistance](#)
- [Leiomyoma](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Malaria](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Pregnancy in Diabetics](#)
- [Prenatal Exposure Delayed Effects](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)
- [Tuberculosis](#)
- [Uterine Neoplasms](#)