

# Recombinant Human ACP1 protein, GST-tagged

**Cat. No.** ACP1-1146H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ACP1 protein(AAI06012.1) (Met 1-His 158) was expressed in E. coli, fused with the GST tag at the N-terminus.                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                               |
| <b>Source</b>           | E. coli                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1-158 aa                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from sterile 50mM Tris, 150mM NaCl, pH 8.0.                                                                                                                                                             |
| <b>Bio-activity</b>     | Measured by its ability to cleave a substrate, pNitrophenyl phosphate (pNPP). The specific activity is >65,000 pmol/min/μg.                                                                                         |
| <b>Molecular Mass</b>   | The recombinant human ACP1/GST chimera consists of 384 amino acids and predicts a molecular mass of 44.3 kDa. The apparent molecular mass of rh ACP1 is approximately 40 kDa in SDS-PAGE under reducing conditions. |
| <b>Purity</b>           | > 88 % as determined by SDS-PAGE                                                                                                                                                                                    |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                                |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                            |

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**protein Refseq-Weblink** [http://www.ncbi.nlm.nih.gov/protein/NP\\_001035739.1](http://www.ncbi.nlm.nih.gov/protein/NP_001035739.1)

**Unit ID** P24666

**Unit ID-Weblink** <http://www.uniprot.org/uniprot/P24666>

## GENE INFORMATION

**Gene Name** [ACP1 acid phosphatase 1, soluble \[ Homo sapiens \]](#)

**Official Symbol** [ACP1](#)

**Synonyms** ACP1; acid phosphatase 1, soluble; low molecular weight phosphotyrosine protein phosphatase; LMW-PTP; LMW-PTPase; adipocyte acid phosphatase; red cell acid phosphatase 1; protein tyrosine phosphatase; acid phosphatase of erythrocyte; cytoplasmic phosphotyrosyl protein phosphatase; low molecular weight cytosolic acid phosphatase; HAAP; MGC3499; MGC111030;

**Gene ID** [52](#)

**mRNA Refseq** [NM\\_001040649](#)

**protein Refseq** NP\_001035739

**MIM** [171500](#)

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SDS-PAGE



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