

Recombinant Human ACP1 protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human ACP1 protein(AAI06012.1) (Met 1-His 158) was expressed in E. coli, fused with the GST tag at the N-terminus.
Species	Human
Source	E. coli
ProteinLength	1-158 aa
Form	Lyophilized from sterile 50mM Tris, 150mM NaCl, pH 8.0.
Bio-activity	Measured by its ability to cleave a substrate, pNitrophenyl phosphate (pNPP). The specific activity is >65,000 pmol/min/μg.
Molecular Mass	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.
Purity	> 88 % as determined by SDS-PAGE
Storage	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.
Reconstitution	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

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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