

Recombinant Human ACP1 Protein, GST-Tagged

Cat. No. ACP1-178H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACP1 full-length ORF (AAH07422, 1 a.a. - 158 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	1-158 aa
Description	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, Aug 2008]
Molecular Mass	43.12 kDa
AA Sequence	MAEQATKSVLFVCLGNICRSPIAEAVFRKLVTDQNISENWVIDSGAVSDWNVGRSPD PRAVSLRNHGIHTAHKARQITKEDFATFDYILCMDESNLRDLNRKSNQVKTC KAKIE LLGSYDPQKQLIIEDPYYGNDSDFFETVYQQCVRCCRAFLEKAH

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Applications	Phosphatase Assay (Cdc25) Phosphatase Assay (PTP) Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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

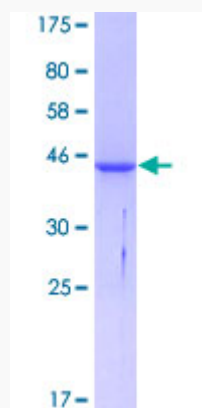
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MIM 171500

UniProt ID P24666



12.5% SDS-PAGE Stained with Coomassie Blue.

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