

Human recombinant protein Acid phosphatase 1
Human Recombinant Acid phosphatase 1
Catalog # PBV10614r**Specification****Human recombinant protein Acid phosphatase 1 - Product info**

Primary Accession	P24666
Concentration	1
Calculated MW	20.1 kDa (178 aa, 1-158 aa + NT His-Tag) KDa

Human recombinant protein Acid phosphatase 1 - Additional Info

Gene ID	52
Gene Symbol	ACP1
Other Names	
Acid phosphatase 1, soluble isoform b, ACP1, HAAP, LMW-PTP, Red cell acid phosphatase 1, Adipocyte acid phosphatase.	
Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>60,000 unit/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MAEQATKSVL FVCLGNICRS PIAEAVFRKL VTDQNISENW VIDSGAVSDW NVGRSPDPRA VSCLRNHGIH TAHKARQITK EDFATFDYIL CMDESNLRLD NRKSNQVKTC KAKIELLSY DPQKQLIED PYYGNDSDFE TVYQQCVRCC RAFLEKAH

Format
Liquid**Storage**
-80°C; 1 mg/ml solution in 20 mM MES 6.0, 0.1 mM PMSF, 2 mM EDTA and 10% glycerol.**Human recombinant protein Acid phosphatase 1 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

Human recombinant protein Acid phosphatase 1 - Images

Human recombinant protein Acid phosphatase 1 - Background

Acid phosphatase 1, also known as ACP1, belongs to the phosphotyrosine protein family. It functions as an acid phosphatase and a protein tyrosine phosphatase (PTPase) and is present in all human tissues, including adipocytes. This enzyme hydrolyzes protein tyrosine phosphate to protein tyrosine and orthophosphate, and also orthophosphoric monoesters to alcohol and orthophosphate.

Human recombinant protein Acid phosphatase 1 - References

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Dissing J.,et al.Biochim. Biophys. Acta 1121:261-268(1992).
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Bryson G.L.M.,et al.Genomics 30:133-140(1995).
Shekels L.L.,et al.Protein Sci. 1:710-721(1992).