

Acid Phosphatase-1 Human Recombinant

Item Number	rAP-1541
Synonyms	HAAP, MGC3499, MGC111030, ACP1, Low molecular weight phosphotyrosine protein phosphatase, LMW-PTPase, LMW-PTP, Low molecular weight cytosolic acid phosphatase, Red cell acid phosphatase 1, Adipocyte acid phosphatase.
Description	Recombinant Human ACP1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 178 amino acids (1-158 a.a.) and having a molecular mass of 20.1 kDa. ACP1 is fused to a 20 amino acid His-Tag at N-Terminus and purified by conventional chromatography techniques.
Uniprot Accession Number	P24666
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAEQATKSVL FVCLGNICRS PIAEAVFRKL VTDQNIENW VIDSGAVSDW NVGRSPDPRA VSCLRNHGIIHTAHKARQITK EDFATFDYIL CMDESNLRLDL NRK- SNQVKTC KAKIELLSY DPQKLIIED PYYGNDSDFE TVYQQCVRCC RAFLEKAH.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The ACP1 protein solution contains 20mM MES, pH-6, 0.1mM PMSF, 2mM EDTA and 10% Glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**