

# Recombinant Human ACP1/LMW-PTP Protein (His Tag)



Catalog Number:PKSH033598

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

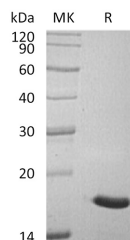
## Description

<b>Synonyms</b>	HAAP;Low Molecular Weight Phosphotyrosine Protein Phosphatase;LMW-PTP;LMW-PTPase;Adipocyte Acid Phosphatase;Low Molecular Weight Cytosolic Acid Phosphatase;Red Cell Acid Phosphatase 1;ACP1
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Ala2-His158
<b>Accession</b>	P24666-2
<b>Calculated Molecular Weight</b>	19.0 kDa
<b>Observed molecular weight</b>	18 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Low Molecular Weight Phosphotyrosine Protein Phosphatase (LMW-PTP) is a member of the low molecular weight phosphotyrosine protein phosphatase family. LMW-PTP serves as an acid phosphatase and a protein tyrosine phosphatase (PTPase) by hydrolyzing protein tyrosine phosphate to protein tyrosine and orthophosphate. LMW-PTP can be detected in all human tissues, including adipocytes. LMW-PTP is a cytosolic enzyme that regulate cell proliferation and growth of leiomyomas during dephosphorylation of the PDGF receptor. In addition, LMW-PTP plays an important role in the regulation of physiological functions, such as stress resistance and synthesis of the polysaccharide capsule.

## For Research Use Only

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