

## 32-7179: Recombinant Human LMW-PTP/ACP1 (C-6His)

**Gene :** ACP1  
**Gene ID :** 52  
**Uniprot ID :** P24666

### Description

Source: E.coli.  
MW :19.04kD.

Recombinant Human LMW-PTP is produced by our E.coli expression system and the target gene encoding Ala2-His158 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** AEQATKSVLFVCLGNICRSPIAEAVFRKLVTDQNI SENWVIDSGAVSDWNVGRSPDPRAVSCLRNHGIHTAHKA  
RQITKEDFATFDYILCMDESNLRDLNRKSNQVKTC KAKIELLSYDPQKQLIEDPYYGNDSDFETVYQQCVRCC  
RAFLEKAHLEHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.