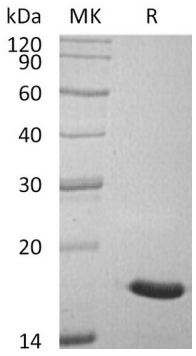
Product Name: Recombinant Human LMW-PTP (C-6His)
Catalog #: PEH1096

Summary

Name	LMW-PTP/ACP1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Low Molecular Weight Phosphotyrosine Protein Phosphatase 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.
Accession #	P24666-2
Host	E.coli
Species	Human
Predicted Molecular Mass	19.04 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	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

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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.

Note

For Research Use Only , Not for Diagnostic Use.