

LMW-PTP Protein, Human, Recombinant (His)

General Information

Synonyms:	Low Molecular Weight Cytosolic Acid Phosphatase;Adipocyte Acid Phosphatase;Red Cell Acid Phosphatase 1;LMW-PTP;Low Molecular Weight Phosphotyrosine Protein Phosphatase;ACP1;LMW-PTPase
Protein Construction:	Ala2-His158
Species:	Human
Expression Host:	E. coli
Accession:	P24666-2
Molecular Weight:	18 KDa (reducing condition)
AA Sequence:	Ala2-His158

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 10% Glycerol, pH 8.0.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481