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Datasheet for ABIN7319532

ACP1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	ACP1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACP1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ACP1/LMW-PTP Protein (His Tag)
Sequence:	Ala2-His158
Characteristics:	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.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ACP1
Alternative Name:	ACP1/LMW-PTP (ACP1 Products)
Background:	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

Target Details

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.

Synonym: 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

Molecular Weight:	19.04 kDa
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 10 % Glycerol, pH 8.0.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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