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Datasheet for ABIN7318915

Podoplanin Protein (PDPN) (His tag)

Overview

Quantity:	50 µg
Target:	Podoplanin (PDPN)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Podoplanin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Podoplanin/PDPN Protein (His Tag)
Sequence:	Ala23-Leu131
Characteristics:	Recombinant Human Podoplanin is produced by our Mammalian expression system and the target gene encoding Ala23-Leu131 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Podoplanin (PDPN)
Alternative Name:	Podoplanin/PDPN (PDPN Products)
Background:	Background: Podoplanin is a type-1 transmembrane protein that belongs to Podoplanin family. PDPN expressed in various specialized cell types throughout the body. It highly expressed in placenta, lung, skeletal muscle and brain, weakly expressed in brain, kidney and liver. In

Target Details

placenta, PDPN expressed on the apical plasma membrane of endothelium, in lung, expressed in alveolar epithelium. PDPN physiological function is related to its mucin-type character. PDPN may be involved in cell migration and/or actin cytoskeleton organization. When expressed in keratinocytes, induces changes in cell morphology with transfected cells showing an elongated shape, numerous membrane protrusions, and major reorganization of the actin cytoskeleton, increased motility and decreased cell adhesion. It requires for normal lung cell proliferation and alveolus formation at birth and Induces platelet aggregation. Nevertheless, it doesn't have any effect on amino acid transport and the aquaporin-type water channels.

Synonym: Podoplanin, Aggrus, Glycoprotein 36, Gp36, PA2.26 Antigen, T1-Alpha, T1A, PDPN, GP36

Molecular Weight: 12.2 kDa

UniProt: [Q86YL7](#)

Pathways: [Dicarboxylic Acid Transport](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.