# abcam

## Product datasheet

# Recombinant Human Podoplanin protein ab87357

#### 1 图像

描述

产**品名称** 重组人Podoplanin蛋白

纯**度** > 95 % SDS-PAGE.

ab87357 is purified using conventional chromatography techniques.

表达系统 Escherichia coli

**蛋白长度** Protein fragment

无动物成分 No

性质 Recombinant

种属 Human

序列 MGSSHHHHHH SSGLVPRGSH MASTGQPEDD

TETTGLEGGV AMPGAEDDVV TPGTSEDRYK SGLTTLVATS VNSVTGIRIE DLPTSESTVH AQEQSPSATA SNVATSHSTE KVDGDTQTTV

**EKDGLSTVTL** 

**氨基酸** 99 to 207

描述 重组人Podoplanin/gp36蛋白

技术指标

Our Abpromise guarantee covers the use of ab87357 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用 SDS-PAGE

形式 Liquid

制备和贮存

稳定性和存储 Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

pH: 7.50

Constituents: 0.242% Tris, 0.58% Sodium chloride

常规信息

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功能 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, major reorganization of the actin cytoskeleton, increased motility and decreased cell adhesion. Required for normal lung cell proliferation and alveolus formation at birth. Induces platelet aggregation. Does not have any effect on folic acid or amino acid transport. Does not function as a water channel or as a regulator of aguaporin-type

water channels.

组织特异性 Highly expressed in placenta, lung, skeletal muscle and brain. Weakly expressed in brain, kidney

and liver. In placenta, expressed on the apical plasma membrane of endothelium. In lung,

expressed in alveolar epithelium. Up-regulated in colorectal tumors and expressed in 25% of early

oral squamous cell carcinomas.

序列相似性 Belongs to the podoplanin family.

翻译后修饰 Extensively O-glycosylated. Contains sialic acid residues. O-glycosylation is necessary for platelet

aggregation activity.

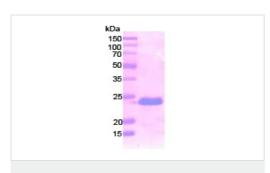
The N-terminus is blocked.

细胞定位 Membrane. Cell projection > filopodium membrane. Cell projection > lamellipodium membrane.

Cell projection > microvillus membrane. Cell projection > ruffle membrane. Localized to actin-rich

microvilli and plasma membrane projections such as filopodia, lamellipodia and ruffles.

#### 图片



SDS-PAGE - Recombinant Human Podoplanin protein (ab87357)

15% SDS-PAGE showing ab87357 (3μg).

Note: Real molecular weight on SDS-PAGE is shifted up compared to predicted molecular weight.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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