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Datasheet for ABIN7274166

## CD31 Protein (AA 18-590) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	CD31 (PECAM1)
Protein Characteristics:	AA 18-590
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD31 protein is labelled with His tag.

#### Product Details

Purpose:	Mouse CD31/PECAM-1 Protein
Sequence:	Glu18-Lys590
Characteristics:	Recombinant Mouse CD31/PECAM-1 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Glu18-Lys590.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	CD31 (PECAM1)
Alternative Name:	CD31 ( <a href="#">PECAM1 Products</a> )

## Target Details

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Background:	Platelet endothelial cell adhesion molecule 1 (PECAM-1) is an adhesion and signaling receptor that is expressed on endothelial and hematopoietic cells and plays important roles in angiogenesis, vascular permeability, and regulation of cellular responsiveness.
Molecular Weight:	65.6 kDa. Due to glycosylation, the protein migrates to 90-100 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Regulation of Actin Filament Polymerization</a>

## Application Details

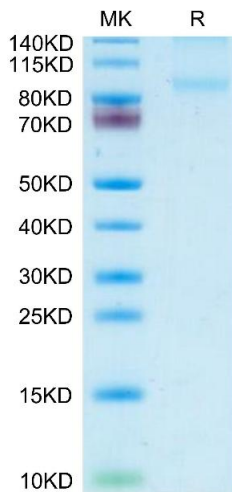
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Restrictions:	For Research Use only
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## Handling

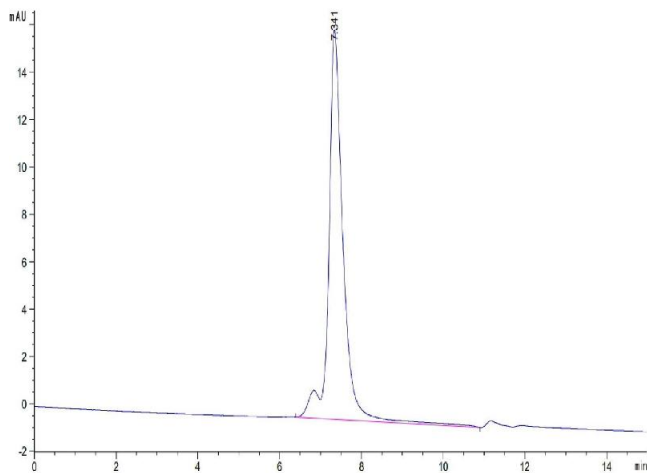
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



### SDS-PAGE

**Image 1.** Mouse CD31/PECAM-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse CD31/PECAM-1 is greater than 95 % as determined by SEC-HPLC.