



[Go to Product page](#)

Datasheet for ABIN7274140

CD31 Protein (AA 28-601) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	CD31 (PECAM1)
Protein Characteristics:	AA 28-601
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD31 protein is labelled with His tag.

Product Details

Purpose:	Human CD31/PECAM-1 Protein
Sequence:	Gln28-Lys601
Characteristics:	Recombinant Human CD31/PECAM-1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln28-Lys601.
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 (PECAM1 Products)

Target Details

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 80-90 kDa based on Tris-Bis PAGE result.
Pathways:	Regulation of Actin Filament Polymerization

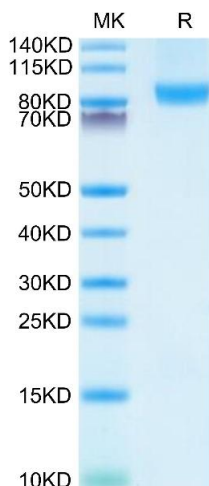
Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

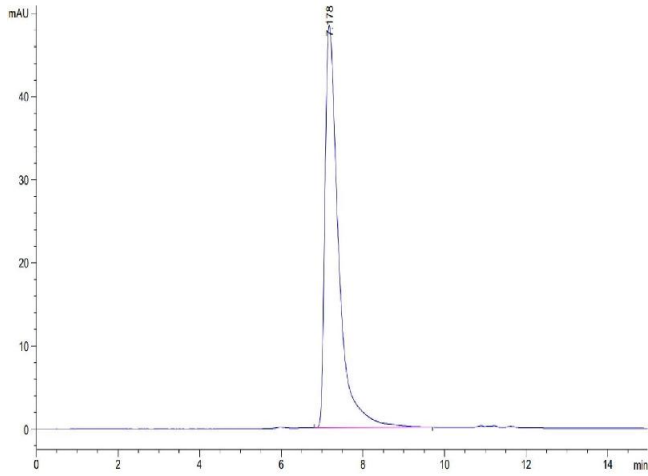
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 50 mM Tris, 150 mM NaCl (pH 7.5). Normally 8 % trehalose 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

Images



SDS-PAGE

Image 1. Human CD31 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 Human CD31 is greater than 95 % as determined by SEC-HPLC.