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## Datasheet for ABIN7319502 CD31 Protein (Fc Tag)

### Overview

Quantity:	50 µg
Target:	CD31 (PECAM1)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD31 protein is labelled with Fc Tag.

### Product Details

Purpose:	Recombinant Human CD31/PECAM1 Protein (Fc Tag)
Sequence:	Gln28-Lys601
Characteristics:	Recombinant Human PECAM-1 is produced by our Mammalian expression system and the target gene encoding Gln28-Lys601 is expressed with a Fc 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:	CD31 (PECAM1)
Alternative Name:	CD31/PECAM1 ( <a href="#">PECAM1 Products</a> )
Background:	Background: Semaphorin-4G is the least characterized of the seven known Class 4 transmembrane semaphorin glycoproteins. Class 4 semaphorins play multiple roles in cell attraction or repulsion, such as development of nerve pathways in the brain, promoting or

## Target Details

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inhibiting proliferation, in some cases organizing immune cell interactions. Semaphorin-4G can be expressed early in development in the central and peripheral nervous systems and in sensory organs, such as cochlea, olfactory epithelium, vomeronasal organ and retina. In adults, Semaphorin-4G can be found in liver, kidney and brain. The human Semaphorin-4G precursor consists of a 17 amino acids signal sequence, a 658 amino acids extracellular domain, a 21 amino acids transmembrane domain, a 142 amino acids cytoplasmic domain with one Ser/Thr phosphorylation site.

Synonym: Platelet endothelial cell adhesion molecule, PECAM-1, EndoCAM, GPIIA, PECA1, CD31, PECAM1

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Molecular Weight: 91.6 kDa

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UniProt: [P16284](#)

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Pathways: [Regulation of Actin Filament Polymerization](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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

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Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

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Storage: 4 °C, -20 °C, -80 °C

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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.