

# Recombinant Human PECAM1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PECAM1-5845H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PECAM1 MS Standard C13 and N15-labeled recombinant protein (NP_000433) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | The protein encoded by this gene is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. The encoded protein is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation.                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 82.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | <p>MQPRWAQGATMWLGVLTLTLLCSSLEGQENSFTINSVDMKSLPDWTVQNGKNLTL</p> <p>QCFADVSTTSHVKPQHQMFLFYKDDVLFYNISSMKSTESYFIPEVRIYDSGTYKCTVIV</p> <p>NNKEKTTAEYQVLVEGVSPRVTLDDKKEAIQGGIVRVNCSVPPEEKAPIHFTIEKLELN</p> <p>EKMVKLKREKNSRDQNFVILEFPVEEQDRVLSFRCQARIISGIHMQTSESTKSELVTV</p> <p>TESFSTPKFHISPTGMIMEGAQLHIKCTIQVTHLAQEFPEIIQKDKAIVAHNRHGNKAV</p> <p>YSVMAMVEHSGNYTCKVESSRISKVSSIVVNITELFSKPELESSFTHLDQGERLNLSC</p> <p>SIPGAPPANFTIQKEDTIVSQTQDFTKIASKSDSGTYICTAGIDKVVKKSNTVQIVVCE</p> <p>MLSQPRISYDAQFEVIKGQTIEVRCEISISGTLPISYQLLKTSKVLENSTKNSNDPAVFK</p> |

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DNPTEDVEYQCVADNCHSHAKMLSEVLRVKVIAPVDEVQISILSSKVVESGEDIVLQC  
 AVNEGSGPITYKFYREKEGKPFYQMTSNATQAFWTKQKANKEQEGEYYCTAFNRA  
 NHASSVPRSKILTVRVILAPWKKGLIAVVIIGVIIALLIAAKCYFLRKAKAKQMPVEMSR  
 PAVPLLNSNNEKMSDPNMEANSHYGHNDVGNHAMKPINDNKEPLNSDVQYTEVQ  
 VSSAESHKDLGKKDTETVYSEVRKAVPD AVESRYSRTEGSLDGTTRTRPLEQKLISE  
 EDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [PECAM1 platelet/endothelial cell adhesion molecule 1 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [PECAM1](#)

**Synonyms** PECAM1; platelet/endothelial cell adhesion molecule 1; platelet/endothelial cell adhesion molecule; platelet endothelial cell adhesion molecule; CD31; CD31 antigen; PECA1; GPIIA; PECAM-1; endoCAM; CD31/EndoCAM; FLJ34100; FLJ58394;

**Gene ID** [5175](#)

**mRNA Refseq** [NM\\_000442](#)

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|                |           |
|----------------|-----------|
| Protein Refseq | NP_000433 |
| MIM            | 173445    |
| UniProt ID     | P16284    |

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