

Recombinant Human PECAM1 Protein, C-His-tagged

Cat. No. PECAM1-114H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PECAM1 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	CD31 (Platelet Endothelial Cell Adhesion Molecule-1: PECAM-1), a member of the Ig superfamily of cell adhesion molecules, is expressed by circulating platelets, monocytes, neutrophils, some T cells, and endothelial cells and modulates cell adhesion, endothelial cell migration, and angiogenesis. CD31 is phosphorylated on Tyr686 at the cytoplasmic carboxy-terminal tail upon various stimuli (e.g. mechanical or oxidative stress), presumably by Src family members. The tyrosine phosphorylation mediates associations with a number of SH2 domain-containing binding partners such as PI3 kinase, SHIP, PLC γ , and SHP-2. Thus, CD31 serves as a scaffold for various signaling molecules.
Molecular Mass	~63 kDa
AA Sequence	QENSFTINSVDMKSLPDWTVQNGKNLTLQCFADVSTTSHVKPQHQMFLFYKDDVLFY NISSMKSTESYFIPEVRIYDSGTYKCTVIVNNKEKTTAEYQVLVEGVSPRVTLDKKE AIQGGIVRVNCSVPEEKAPIHFTIEKLELNEKMVCLKREKNSRDQNFVILEFPVEEQD RVLSFRCQARIISGIHMQTSESTKSELVTVTESFSTPKFHISPTGMIMEGAQLHIKCTI QVTHLAQEFPEIIQKDKAIVAHNRHGNKAVYSVMAMVEHSGNYTCKVESSRISKVSS IVVNITELFSKPELESSFTHLDQGERLNLSCSIPGAPPANFTIQKEDTIVSQTQDFTKIA

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SKSDSGTYICTAGIDKVVKKSNTVQIVVCEMLSQPRISYDAQFEVIKGQTIEVRCE
 GTLPISYQLLKTSKVLENSTKNSNDPAVFKDNPTEDVEYQCVADNCHSHAKMLSEVL
 RVKVIAPVDEVQISILSSKVVESGEDIVLQCAVNEGSGPITYKFYREKEGKPFYQMTS
 NATQAFWTKQKASKEQEYCTAFNRANHASSVPRSKILTVRVILAPWKK

Purity

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Concentration

≥0.5 mg/mL

Storage Buffer

PBS, 4M Urea, pH7.4

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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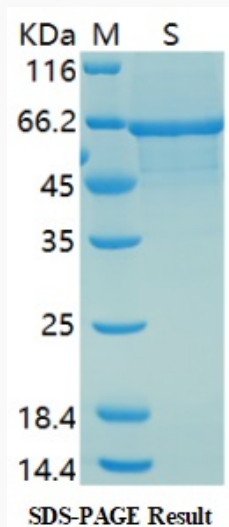
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Protein Refseq NP_000433

MIM 173445

UniProt ID P16284

SDS-PAGE



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