

Active Recombinant Human PECAM1 Protein, GST&His tagged

Cat. No. PECAM1-369H Lot. No. (See product label)

SPECIFICATION

Product Overview Active recombinant human PECAM1 (28-601aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Species Human

Source Insect Cells

ProteinLength 28-601aa

Description PECAM1, also known as platelet endothelial cell adhesion molecule, induces susceptibility to atherosclerosis. It prevents phagocyte ingestion of closely apposed viable cells by transmitting detachment signals, and changes function on apoptosis, promoting tethering of dying cells to phagocytes. The encounter of a viable cell with a phagocyte via the homophilic interaction of PECAM1 on both cell surfaces leads to the viable cell's active repulsion from the phagocyte.

Form Liquid

AASequence QENSFTINSVDMKSLPDWTVQNGKNLTLQCFADVSTTSHVKPQHQMFLFYKDDVLFY
 NISSMKSTESYFIPEVRIYDSGTYKCTVIVNNKEKTTAEYQVLVEGVSPSRVTLDKKE
 AIQGGIVRVNCSVPEEKAPIHFTIEKLELNEKMVCLKREKNSRDQNFVILEFPVEEQD
 RVLSFRCQARIISGIHMQTSESTKSELVTVTESFSTPKFHISPTGMIMEGAQLHIKCTI
 QVTHLAQEFPEIIIQKDKAIVAHNRHGNKAVYSVMAMVEHSGNYTCKVESSRISKVSS
 IVVNITELFSKPELESSFTHLDQGERLNLSCSIPGAPPANFTIQKEDTIVSQTQDFTKIA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SKSDSGTYICTAGIDKVVKKSNTVQIVVCEMLSQPRISYDAQFEVIKGGQTIEVRCESIS
 GTLPISYQLLKTSKVLENSTKNSNDPAVFKDNPTEDVEYQCVADNCHSHAKMLSEVL
 RVKVIAPVDEVQISILSSKVVESGEDIVLQCAVNEGSGPITYKFYREKEGKPFYQMTS
 NATQAFWTKQKASKEQEGEYYCTAFNRANHASSVPRSKILTVRVILAPWKK

Molecular Mass 65.5 kDa

Bio-activity Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When cells are added to human CD31 coated plates 5 µg/mL. This effect is more to 40%.

Endotoxin < 1 EU/µg of protein (determined by LAL method)

Purity > 95% by SDS-PAGE

Application SDS-PAGE, Bioactivity

Note For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Storage Buffer Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Concentration 0.25 mg/mL (determined by absorbance at 280nm)

GENE INFORMATION

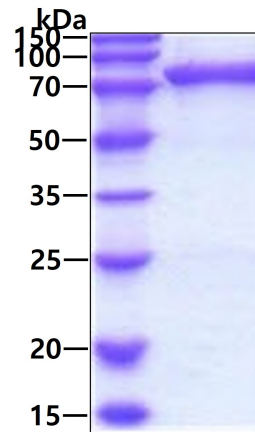
Gene Name PECAM1 platelet and endothelial cell adhesion molecule 1 [Homo sapiens (human)]

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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
Protein Refseq	NP_000433
MIM	173445
UniProt ID	P16284

SDS-PAGE

3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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