

CD31 (PECAM1) Active Protein | CD31 active protein

Human CD31 Recombinant (PECAM1)

CATALOG #	HOST
AAA14418	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

PRODUCT SYNONYMS

CD31 (PECAM1); Human CD31 Recombinant (PECAM1); Human CD31 Recombinant (PECAM1) ; cd31; cd-31; pecam; CD31 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Lyophilized from 0.2um filtered PBS solution, pH7.2
Sequence Length	738
Host Note	Optimized DNA sequence encoding Human extracellular domain of human CD31 including a C-terminal 6His tag was expressed in HEK293 cells.
Biological Activity	Recombinant Human CD31 activity was determined by its ability to support the adhesion of Jurkat human leukemic T-cells. When cells are added to recombinant human CD31 coated plates(3.3ug/mL, 100uL/well) in the presence of PMA, approximately 50% - 65% will adhere specifically after 30 minutes at 37.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Preparation and Storage	Please store at -20°C to -70°C. After reconstitution, the product can be stored at 2-8°C for 1 month.

ADDITIONAL INFORMATION

Product Categories/Family for CD31 active protein	Receptors CD
References	• cd38/CD31, the ccl3 and ccl4 chemokines, and cd49d/vascular cell adhesion molecule-1 are interchained by sequential events sustaining chronic lymphocytic leukemia cell survival .Cancer Res., May 2009; 69: 4001 - 4009. • circulating monocytes expressing CD31: implications for acute and chronic angiogenesis .Am. J. Pathol., May 2009; 174: 1972 - 1980. • il-7 sustains CD31 expression in human naive cd4+ t cells and preferentially expands the CD31+ subset in a pi3k-dependent manner .Blood, Mar 2009; 113: 2999 - 3007. • transcriptional profiling of CD31+ cells isolated from murine embryonic stem cells .Genes Cells, Feb 2009; 14: 243 - 260. • life after the thymus: CD31+ and CD31- human naive cd4+ t-cell subsets .Blood, Jan 2009; 113: 769 - 774.

NCBI AND UNIPROT INFORMATION

NCBI GI #	313760624
NCBI GeneID	5175
NCBI Accession #	NP_000433.4
NCBI GenBank Nucleotide #	NM_000442.4

UniProt Accession #	P16284; Q6LDA9; Q8TBH1; Q96RF5; Q96RF6; Q9NP65; Q9NPB7; Q9NPG9; Q9NQS9; Q9NQT0; Q9NQT1; Q9NQT2
Molecular Weight	Recombinant CD31 is a homodimer protein consisting of 585 amino acid residue subunits, due to glycosylation migrates as an approximately 100 kDa protein on SDS-PAGE.
NCBI Official Full Name	platelet endothelial cell adhesion molecule
UniProt Protein Name	Platelet endothelial cell adhesion molecule
UniProt Gene Name	PECAM1
UniProt Synonym Gene Names	PECAM-1
UniProt Entry Name	PECA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/hek293-active-protein/cd31-pecam1/14418>