

## Active Recombinant Human VCAM1 Protein

**Cat. No.** VCAM1-191H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human VCAM1, transcript variant 1, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of atherosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding different isoforms have been described for this gene.
<b>Form</b>	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
<b>Bio-activity</b>	Determined by its ability to support the adhesion of human U937 cells. The expected ED50 for this effect is 0.8-1.0ug/mL.
<b>Molecular Mass</b>	74 kDa
<b>AA Sequence</b>	FKIETTPESRYLAQIGDSVSLTCSTTGCESPFFSWRTQIDSPLNGKVTNEGTTSTLTM NPVSFGNEHSYLCTATCESRKLEKGIQVEIYSFPKDPEIHLSGPLEAGKPITVKCSVA DVYPFDRLEIDLLKGDHLMKSQEFLEDADRKSLETKSLEVTFTPVIEDIGKVLVCRAKL HIDEMDSVPTVRQAVKELQVYISPKNNTVISVNPSTKLQEGGSVTMTCSSEGLPAPEIF

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WSKKLDNGNLQHLSGNATLTLIAMRMEDSGIYVCEGVNLIQKNRKEVELIVQEKPFT  
 VEISPGPRIAAQIGDSVMLTCSVMGCESPSFSWRTQIDSPLSGKVRSEGNTSTLTL  
 PVSFENEHSYLCTVTCGHKKLEKGIQVELYSFPRDPEIEMSGGLVNGSSVTVSCKVP  
 SVYPLDRLEIELLKGETILENIEFLEDTDMKSLENKSLEMTFIPTIEDTGKALVCQAKLHI  
 DDMEFEPKQRQSTQTLVNVAPRDTTVLVSPSSILEEGSSVNMTCLSQGFPAPKILW  
 SRQLPNGELQPLSENATLTLISTKMEDSGVYLCEGINQAGRSRKEVELIIQVTPKDIKL  
 TAFPSESVKEGDTVIIISCTCGNVPETWILKKAETGDTVLSIDGAYTIRKAQLKDAG  
 VYECESKNKVGSQLRSLTLDVQGRENNKDYFSP

**Endotoxin** Endotoxin level is <0.1 ng/g of protein (<1EU/g).

**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** Resuspend the protein in the desired concentration in proper buffer

## GENE INFORMATION

**Gene Name** [VCAM1 vascular cell adhesion molecule 1 \[ Homo sapiens \]](#)

**Official Symbol** [VCAM1](#)

**Synonyms** VCAM1; vascular cell adhesion molecule 1; vascular cell adhesion protein 1; CD106; CD106 antigen; INCAM-100; MGC99561; DKFZp779G2333;

**Gene ID** [7412](#)

**mRNA Refseq** [NM\\_001078](#)

**Protein Refseq** [NP\\_001069](#)

**MIM** [192225](#)

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UniProt ID

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