

# 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 arteriosclerosis 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<br>NPVSFGNEHSYLCTATCESRKLEKGIQVEIYSFPKDPEIHLSGPLEAGKPITVKCSVA<br>DVYPFDRLEIDLLKGDHLMKSQEFLEDADRKSLETKSLEVTFTPVIEDIGKVLVCRAKL<br>HIDEMDSVPTVRQAVKELQVYISPKNTVISVNPSTKLQEGGSVTMTCSSEGLPAPEIF                                                                                                                                                                                |

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

WSKKLDNGNLQHLSGNATLTLIAMRMEDSGIYVCEGVNLIGKNRKEVELIVQEKPF  
 VEISPGPRIAAQIGDSVMLTCSVMGCESPSFSWRTQIDSPLSGKVRSEGNTSTLTL  
 PVSFENEHSYLCTVTCGHKKLEKGIQVELYSFPRDPEIEMSGGLVNGSSVTVSCKVP  
 SVYPLDRLEIELLKGETILENIEFLEDMDKSLNKSLEMTFIPTIEDTGKALVCQAKLHI  
 DDMEFEPKQRQSTQTLVNVAPRDTTVLVSPSSILEEGSSVNMTCLSQGFPAKILW  
 SRQLPNGELQPLSENATLTLISTKMEDSGVYLCEGINQAGRSRKEVELIIQVTPKDIKL  
 TAFPSESVKEGDTVIIISCTCGNVPETWILKKKAETGDTVLSIDGAYTIRKAQLKDAG  
 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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