

# Recombinant Human Vascular Cell Adhesion Molecule 1, His-tagged

**Cat. No.** VCAM1-6796H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human VCAM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	VCAM1 is a member of the Ig superfamily and is 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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
<b>Molecular Weight</b>	76 kDa (695aa)
<b>Purity</b>	> 80% by SDS -PAGE
<b>Concentration</b>	0.25 mg/ml (determined by Bradford assay)
<b>Sequences of amino acids</b>	MGSSHHHHHHSSGLVPRGSH MFKIETTPES RYLAQIGDSV SLTCSTTGCE SPFFSWRTQI DSPLNGKVTN EGTSTLTMNPVSFGNEHSY LCTATCESRK LEKGIQVEIY SFPKDPEIHL SGPLEAGKPI TVKCSVADV PFDRLEIDLLKGDHLMKSQE FLEDADRKSL ETKSLEVTFT PVIEDIGKVL

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VCRAKLHIDE MDSVPTVRQA VKELQVYISPKNTVISVNPS TKLQEGGSVT  
MTCSSSEGLPA PEIFWSKKLD NGNLQHLSGN ATLTLIAMRM  
EDSGIYVCEGVNLIKGNRKE VELIVQEKP TVEISPGPRI AAQIGDSVML  
TCSVMGCESP SFSWRTQIDS PLSGKVRSEGTNSTLTLSPV SFENEHSYLC  
TVTTCGHKKLE KGIQVELYSF PRDPEIEMSG GLVNGSSVTV  
SCKVPSVYPLDRLEIELLKG ETILENIEFL EDTDMKSLEN KSLEMTFIPT  
IEDTGKALVC QAKLHIDDME FEPKQRQSTQTLVNVAPRD TTVLVSPSSI  
LEEGSSVNMT CLSQGFPAK ILWSRQLPNG ELQPLSENAT  
LTLISTKMEDSGVYLCEGIN QAGRSRKEVE LIIQVTPKDI KLTAFPSSESV  
KEGDTVIISC TCGNVPETWI ILKKAETGDTVLSIDGAY TIRKAQLKDA  
GVYECESKNK VGSQRLSLTL DVQGRENNKD YFSPE

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Pathways**

Cell adhesion molecules (CAMs); Leukocyte transendothelial migration; Signaling in Immune system

## GENE INFORMATION

**Gene Name**

VCAM1 vascular cell adhesionmolecule 1 [ Homo sapiens ]

**Official Symbol**

VCAM1

**Synonyms**

VCAM1; CD106; MGC99561; INCAM-100; DKFZp779G2333; vascular cell adhesion molecule 1; CD106 antigen; OTTHUMP00000012650; OTTHUMP00000012651; L1CAM; V-CAM 1

**Gene ID**

7412

**mRNA Refseq**

NM\_001078

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**Protein Refseq** NP\_001069

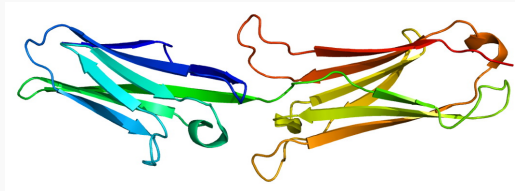
**MIM** 192225

**UniProt ID** P19320

**Chromosome Location** 1p32-p31

**Function** integrin binding; protein binding

**PDB rendering based on 1ij9**



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