

Recombinant Human Vascular Cell Adhesion Molecule 1, His-tagged

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

SPECIFICATION

Product Overview	Recombinant humanVCAM1 protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	VCAM1 is a member ofthe Ig superfamily and is a cell surface sialoglycoprotein expressed bycytokine-activated endothelium. This type I membrane protein mediatesleukocyte-endothelial cell adhesion and signal transduction, and may play arole in the development of arteriosclerosis and rheumatoid arthritis
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 10% glycerol
Molecular Weight	76 kDa (695aa)
Purity	> 80% by SDS -PAGE
Concentration	0.25 mg/ml (determinedby Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MFKIETTPES RYLAQIGDSV SLTCSTTGCE SPFFSWRTQI DSPLNGKVTN EGTSTLTMPVVSFGNEHSY LCTATCESRK LEKGIQVEIY SFPKDPEIHL SGPLEAGKPI TVKCSVADV PFDRLEIDLLKGDHLMKSQE FLEDADRKSL ETKSLEVTFT PVIEDIGKVL

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VCRAKLHIDE MDSVPTVRQA VKELQVYISPKNTVISVNPS TKLQEGGSVT
 MTCSSSEGLPA PEIFWSKKLD NGNLQHLSGN ATLTLIAMRM
 EDSGIYVCEGVNLIGKNRKE VELIVQEKPF TVEISPGPRI AAQIGDSVML
 TCSVMGCESP SFSWRTQIDS PLSGKVRSEGTNSTLTLSVP SFENEHSYLC
 TVTCGHKKLE KGIQVELYSF PRDPEIEMSG GLVNGSSVTV
 SCKVPSVYPLDRLEIELLKG ETILENIEFL EDTDMKSLEN KSLEMTFIPT
 IEDTGKALVC QAKLHIDDME FEPKQRQSTQTLYVNVAPRD TTVLVSPSSI
 LEEGSSVNMT CLSQGFPAK ILWSRQLPNG ELQPLSENAT
 LTLISTKMEDSGVYLCEGIN QAGRSRKEVE LIIQVTPKDI KLTAFPSESV
 KEGDTVIISC TCGNVPETWI ILKKAETGDTVLSIDGAY TIRKAQLKDA
 GVYECESKNK VGSQRLSLTL DVQGRENKND 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	