

# Recombinant human VCAM-1/CD106 protein

Catalog Number: ATGP1573

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

25-698aa

### UniProt No.

P19320

### NCBI Accession No.

NP\_001069

### Alternative Names

Vascular cell adhesion protein 1 isoform, VCAM1, CD106, INCAM-100

## PRODUCT SPECIFICATION

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### Molecular Weight

76 kDa (695aa)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### Purity

> 80% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

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. Recombinant human VCAM1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

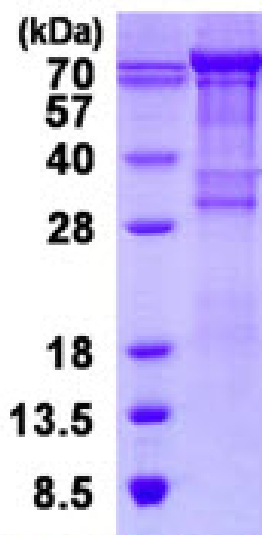
MGSSHHHHHH SSGLVPRGSH MFKIETTPES RYLAQIGDSV SLTCSTTGCE SPFFSWRTQI DSPLNGKVTN EGGTSTLTMM  
PVSFGNEHSY LCTATCESRK LEKGIQVEIY SFPKDPEIHL SGPLEAGKPI TVKCSVADV PFDRLEIDLL KGDHLMKSQE  
FLEDADRKSL ETKSLEVTFT PVIEDIGKVL VCRAKLHIDE MDSVPTVRQA VKELQVYISP KNTVISVNPS TKLQEGGSVT  
MTCSSLELPA PEIFWSKKLD NGNLQHLSGN ATLTLIAMRM EDSGIYVCEG VNLIGKNRKE VELIVQEKPF TVEISPGPRI  
AAQIGDSVML TCSVMGCESP SFSWRTQIDS PLSGKVRSEG TNSTLTLSVP SFENEHSYLC TVTCGHKKLE KGIQVELYSF  
PRDPEIEMSG GLVNGSSVTV SCKVPSVYPL DRLEIELLKG ETILENIEFL EDTDMKSLEN KSLEMTFIPT IEDTGKALVC  
QAKLHIDDME FEPKQRQSTQ TLYVNVAPRD TTVLVSPSSI LEEGSSVNMT CLSQGFPAK ILWSRQLPNG ELQPLSENA  
TLTSTKMED SGVYLCEGIN QAGRSRKEVE LIIQVTPKDI KLTAFPSESV KEGDTVIISC TCGNVPETWI ILKKAETGD  
TVLKSIDGAY TIRKAQLKDA GYECESKNK VGSQRLSLTL DVQGRENNKD YFSPE

## General References

Wu TC (2007) Cancer Res. 67 (13): 6003-6.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)