

# Recombinant mouse VCAM-1/CD106 protein

Catalog Number: ATGP3246

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

25-698aa

### UniProt No.

Q3UPN1

### NCBI Accession No.

NP\_035823

### Alternative Names

CD106, Vascular cell adhesion protein 1, Vcam-1

## PRODUCT SPECIFICATION

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### Molecular Weight

75.4 kDa (682aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Biological Activity

Measured by the ability of the immobilized protein to support the adhesion of U937 Human histiocytic lymphoma cells. When cells are added to VCAM1 coated plates 10ug/ml. This effect is more to 60%.

### Tag

His-Tag

### Application

SDS-PAGE, Bioactivity

### 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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# Recombinant mouse VCAM-1/CD106 protein

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## Description

VCAM1, also known as vascular cell adhesion protein 1, is a receptor for encephalomyocarditis virus on murine vascular endothelial cells. It has been identified as a receptor for the D variant of encephalomyocarditis (EMC-D) virus on vascular endothelial cells from the heart. Recombinant mouse VCAM1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

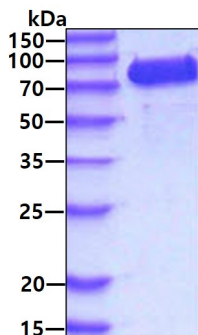
FKIEISPEYK TIAQIGDSMA LTCSTTGCEs PLFSWRTQID SPLNAKVRTE GSKSVLTMEP VSFENEHSYL CTATCGSGKL  
 ERSIHVDIYS FPKDPEIQFS GPLEVGKPVt VKCLAPDIYP VYRLEIDLfK GDQLMNRQEF SSEEMTKSLE TKSLEVTFTP  
 VIEDIGKALV CRAKLHIDQI DSTLKERETV KELQVYISPR NTTISVHPST RLQEGGAVTM TCSSEGLPAP EIFWGRKLDN  
 EVLQLLSGNA TLTLIAMRME DSGVYVCEGV NLIGRDKAEV ELVVQEKPFi VDISPGSQVA AQVGDSVVLt CAAIGCDSPS  
 FSWRTQTDSP LNGVVRNEGA KSTLVLSSVG FEDEHSYLCA VTCLQRTLEK RTQVEVYSFP EDPVIKMSGP LVHGRPVTVN  
 CTVPNVYFPD HLEIELLKGE TTLMKKYFLE EMGIKSLETK ILETTFIPTI EDTGKSLVCL ARLHSGEMES EPKQRQSVQP  
 LYVNVAPKET TIWVSPSPIL EEGSPVNLTC SSDGIPAPKI LWSRQLNNGE LQPLSENTTL TFMSTKRDDS GIYVCEGINE  
 AGISRKSVEL IIQVSPKDIQ LTVFPSKSVK EGDTVIISCT CGNVPETWII LKKKAKTGDM VLKSVDGSYT IRQAQLQDAG  
 IYECESKTEV GSQLRSLTLD VKGKEHNKNY FSPE<LEHHHH HH>

## General References

Huber SA., et al. (1994) J Virol. 68:3453-3458.  
 Preiss DJ., et al. (2007) Int J Clin Pract. 61(4): 697-701.

## DATA

### SDS-PAGE



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