

Recombinant human VCAM-1/CD106 protein

Catalog Number: ATGP1573

PRODUCT INFORMATION

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

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

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

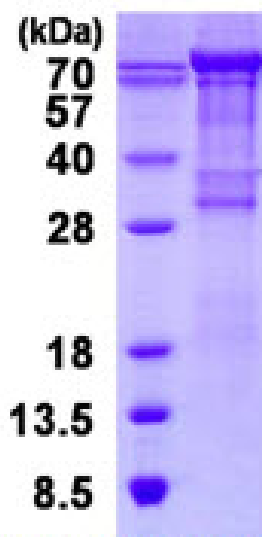
MGSSHHHHHH SSGLVPRGSH MFKIETTPES RYLAQIGDSV SLTCSTTGCE SPFFSWRTQI DSPLNGKVTN EGGTSTLTMM
PVSFGNEHSY LCTATCESRK LEKGIQVEIY SFPKDPEIHL SGPLEAGKPI TVKCSVADV PFDRLEIDLL KGDHLMKSQE
FLEDADRKSL ETKSLEVTFT PVIEDIGKVL VCRAKLHIDE MDSVPTVRQA VKELQVYISP KNTVISVNPS TKLQEGGSVT
MTCSSLELPA PEIFWSKKLD NGNLQHLSGN ATLTLIAMRM EDSGIYVCEG VNLIGKNRKE VELIVQEKPF TVEISPGPRI
AAQIGDSVML TCSVMGCEP 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)