

## Active Recombinant Human VCAM1 protein, His-tagged

**Cat. No.** VCAM1-2325H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human VCAM1 protein(NP_001069.1) (Met 1-Pro 697) was expressed in Human Cells, fused with a polyhistidine tag at the C-terminus.                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-697 aa                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                                                      |
| <b>Bio-activity</b>     | Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5 x 10E4 cells/well are added to human VCAM1 coated plates (10 µg/ml with 100 µl/well), >70 % cells will adhere after 1 hour incubation at 37°C. |
| <b>Molecular Mass</b>   | The recombinant human VCAM1 consists of 684 amino acids and predicts a molecular mass of 76 kDa. As a result of glycosylation, rhVCAM1 migrates as an approximately 110 kDa band in SDS-PAGE under reducing conditions.                                                    |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                            |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                           |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to                                                                                                                                                                                           |

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [VCAM1 vascular cell adhesion molecule 1 \[ Homo sapiens \]](#)

**Official Symbol** [VCAM1](#)

**Synonyms** VCAM1; vascular cell adhesion molecule 1; vascular cell adhesion protein 1; CD106; CD106 antigen; INCAM-100; MGC99561; DKFZp779G2333;

**Gene ID** [7412](#)

**mRNA Refseq** [NM\\_001078](#)

**Protein Refseq** [NP\\_001069](#)

**MIM** [192225](#)

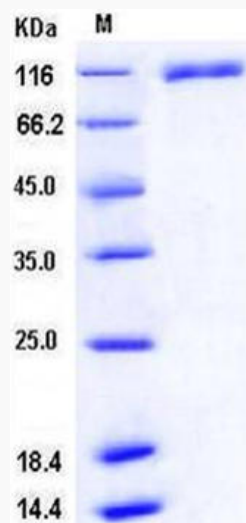
**UniProt ID** [P19320](#)

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SDS-PAGE



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