

Active Recombinant Human VCAM1 protein, His tagged

Cat. No. VCAM1-3142H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human VCAM1 protein(Phe 25-Pro 697)(NP_001069.1) was expressed in Human Cells, fused with a polyhistidine tag at the N-terminus.
Species	Human
Source	Human Cells
ProteinLength	25-697 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-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 (40 µg/mL, 100 µL/well) approximately 30%-70% will adhere for 1 hour incubation at 37°C.
Molecular Mass	The recombinant human VCAM1 consists of 689 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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	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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