

# Recombinant Mouse VCAM-1/CD106 Protein

Catalog No.: RP01176 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	22329	Q3UPN1

### Tags

C-His

### Synonyms

VCAM1;V-CAM 1;VCAM-1;CD106;VCAM1

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
77.73 kDa	90-100 kDa

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

### Basic Information

#### Description

Recombinant Mouse VCAM-1/CD106 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Glu698) of mouse VCAM-1/CD106 (Accession #NP\_035823.3) fused with a 6xHis tag at the C-terminus.

#### Bio-Activity

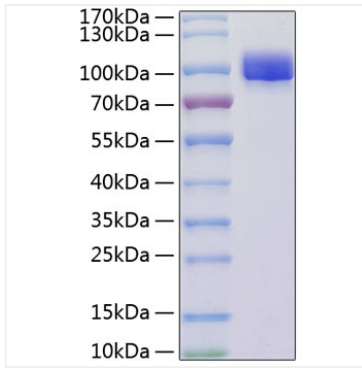
Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5 x 10<sup>4</sup> cells/well are added to mouse VCAM1 coated plates (10 μg/mL with 100 μL/well), approximately 70%-80% cells will adhere after 1 hour at 37°C.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Mouse VCAM-1/CD106 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 90-110 kDa..