

# Recombinant Mouse VCAM1 Protein (His Tag)

RPES4324

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES4324

**Purity:** > 97 % as determined by reducing SDS-PAGE.

**Contents:** 100µg, 1mg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Mouse

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** CD106, L1CAM, VCMA1, Vascular cell adhesion protein 1, Vcam-1, Vcam1

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** HEK293 Cells

**Bio-Activity:** Measured by the ability of the immobilized protein to support 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 RT.

**Calculated MW:** 75.8 kDa

**Formulation:** Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 90-100 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Accession:** NP\_035823.3

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Source:** HEK293 Cells-derived Mouse VCAM1 protein Met 1-Glu 698, with an C-terminal His

**Sequence:** Met 1-Glu 698

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.

**Form:** Lyophilized powder