

# Mouse VE-Cadherin/CD144 (His Tag) recombinant protein



Catalog Number: 502978

## General Information

### Gene Name Synonym

Vascular endothelial cadherin

### Protein Construction

A DNA sequence encoding the mouse CDH5 (NP\_033998.2) extracellular domain (Met 1-Ala 592) was fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gly 25 & Asp 46

### Molecular Mass

The recombinant mouse CDH5 comprises 559 (mature form) or 580 (pro form) amino acids and

has a predicted molecular mass of 63.5 (or 66) kDa. As a result of glycosylation, the apparent molecular mass of rmCDH5 is approximately 75-85 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

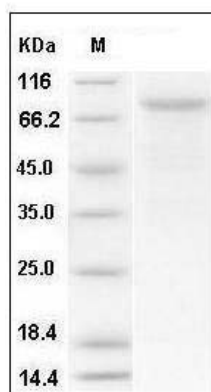
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Mouse VE-Cadherin / CD144 / CDH5 Protein (His Tag) SDS-PAGE