

# Mouse E-Cadherin/CDH1/E-cad/CD324 (His Tag) recombinant protein



Catalog Number: 501372

## General Information

### Gene Name Synonym

ARC-1; Epithelial cadherin; Uvomorulin; E-Cad/CTF1; E-Cad/CTF2; E-Cad/CTF3

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse CDH1 (P09803) (Met 1-Val 709) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by the ability of the immobilized protein to support the adhesion of MCF-7 human breast adenocarcinoma cells. When  $5 \times 10^4$  cells/well are added to Recombinant Mouse Cadherin-1 coated plates (0.8  $\mu\text{g}/\text{mL}$  with 100  $\mu\text{L}/\text{well}$ ), approximately >50% will adhere after 1 hour at 37°C.

### Purity

> 85 % 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°C

### Predicted N terminal

Glu 24

### Molecular Mass

The secreted recombinant mouse CDH1 (pro form) comprises 697 amino acids and has a calculated molecular mass of 78 kDa. As a result of different glycosylation, the apparent molecular mass of rm CDH1 is approximately 80-100 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

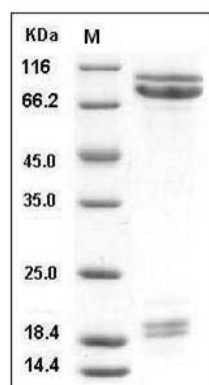
### Storage

Store it under sterile conditions at -20°C to -80°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 E-Cadherin / CDH1 / E-cad / CD324 Protein  
(His Tag) SDS-PAGE