

# Mouse CD34 (His Tag) recombinant protein



Catalog Number: 500214

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse CD34 (NP\_001104529.1) (Met 1-Thr 287) was expressed, with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by the ability of the immobilized protein to support the adhesion of the HUVEC human umbilical vein endothelial cell line. When  $4 \times 10^4$  cells/well are added to mouse CD34 coated plates ( $0.8 \mu\text{g/ml}$ ,  $100 \mu\text{l/well}$ ), approximately  $>30\%$  will adhere after one hour at  $37^\circ\text{C}$ .

### Purity

$> 98\%$  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

Thr 35

## Molecular Mass

The recombinant mouse CD34 consists of 264 amino acids and has a predicted molecular mass of 28.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmCD34 is approximately 50-60 kDa due to glycosylation.

## 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

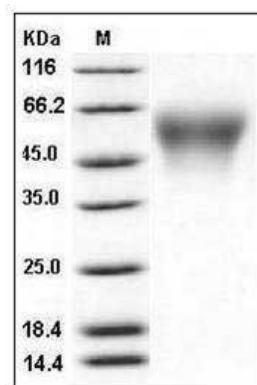
### Storage

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  $0.25 \text{ mg/ml}$ . Concentration is measured by UV-Vis.

## SDS-PAGE



Mouse CD34 Protein (His Tag) SDS-PAGE