

# Mouse Syndecan-4/SDC4 (Fc Tag) recombinant protein



Catalog Number: 503585

## General Information

### Gene Name Synonym

Ryudocan core protein

### Protein Construction

A DNA sequence encoding the mouse SDC4 (O35988)(Met1-Val146) was expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized human MDK (Cat:502729) at 10 µg/ml (100 µl/well) can bind mouse SDC4-Fc (Cat:503585) with a linear range of 0.16-1.25 µg/ml.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg 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 recombinant mouse SDC4/Fc is a disulfide-linked homodimer. The reduced monomer comprises 364 amino acids and has a predicted molecular mass of 40.5 kDa. The apparent molecular mass of the protein is approximately 33 kDa in SDS-PAGE under reducing conditions 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

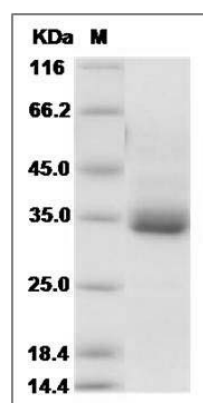
### Storage

Store it under sterile conditions at -20°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 Syndecan-4 / SDC4 Protein (Fc Tag) SDS-PAGE