

## General Information

### Gene Name Synonym

CD200 cell surface glycoprotein receptor; Cell surface glycoprotein OX2 receptor 1

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Pro 238) of mouse CD200R1 (NP\_067300.1) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind mouse CD200 in a functional ELISA.

### 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

Thr 21

## Molecular Mass

The recombinant mouse CD200R1 consists of 224 amino acids after removal of the signal peptide and has a predicted molecular mass of 24.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmCD200R1 is approximately 55-65 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

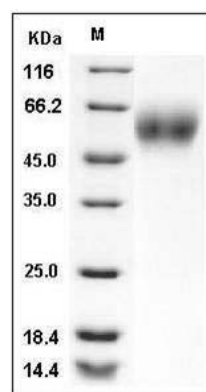
### Storage

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 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Mouse CD200R1 / OX-2R Protein (His Tag) SDS-PAGE