

# Human CD200 (His & Fc Tag) recombinant protein



Catalog Number: 502023

## General Information

### Protein Construction

A DNA sequence encoding the human CD200 (NP\_005935.4) extracellular domain (Met 1-Gly 232) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human CD200R1 at 1 µg/ml (100 µl/well) can bind human CD200 Fc Chimera with a linear range of 0.12-16 ng/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

Gln 31

### Molecular Mass

The recombinant human CD200/Fc is a disulfide-linked homodimer. The reduced monomer consists of 450 amino acids and has a predicted molecular mass of 50.5 kDa. As a result of glycosylation, the apparent molecular mass of rh CD200/Fc monomer is approximately 65-70 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

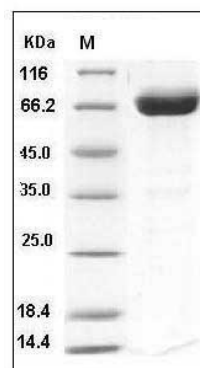
### Storage

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



Human CD200 / OX-2 Protein (His & Fc Tag) SDS-PAGE