

Mouse CD200R1 (His & Fc Tag) recombinant protein



Catalog Number: 500001

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) precursor was fused 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 recombinant mouse CD200 at 1 µg/ml (100 µl/well) can bind mouse CD200R1/Fc with a linear range of 1.5-200 ng/ml.

Purity

> 97 % 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

Thr 21

Molecular Mass

The recombinant mouse CD200R1/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 462 amino acids and has a predicted molecular mass of 51.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmCD200R1/Fc monomer is approximately 90-100 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

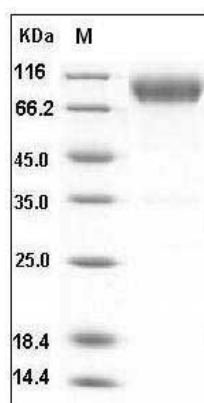
Storage

Store it under sterile conditions at -20°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 CD200R1 Protein (His & Fc Tag) SDS-PAGE