

# Biotinylated Recombinant Human CD200R1 Protein

Catalog No.: RP02593B **Recombinant**

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human   | 131450  | AAQ19772   |

### Tags

C-His&Avi

### Synonyms

CD200R; CRTR2; MOX2R; OX2R; CD200 R1; CD200 receptor 1; HCRTR2; MOX2 receptor

## Product Information

| Source       | Purification                             |
|--------------|--|
| HEK293 cells | > 95% by Tris-Bis PAGE;> 95% by SEC-HPLC |

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

CD200Fc, a chimeric molecule including the extracellular domain of CD200 and a murine IgG2a Fc region, regulates immune responses following engagement of a cell surface receptor, CD200R, expressed on cells of the myeloid and T cell lineage. A recent report focused attention on a family of CD200Rs, but concluded that only one member used CD200 as its ligand.

## Basic Information

### Description

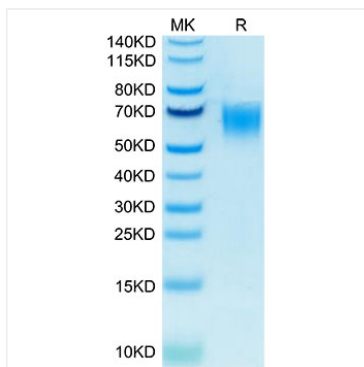
Biotinylated Recombinant Human CD200R1 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala27-Leu266) of Human CD200R1 fused with a His and Avi tag at the C-terminal.

### Bio-Activity

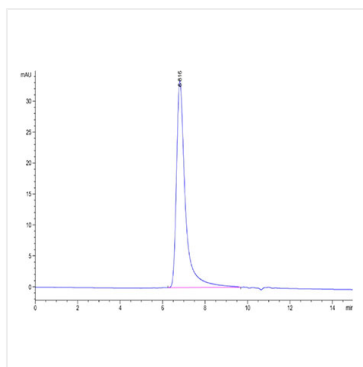
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

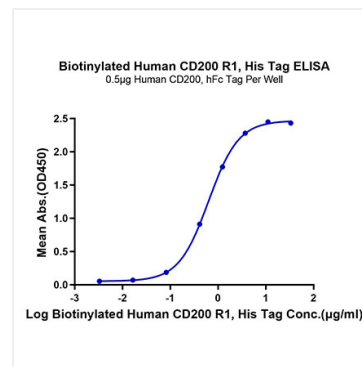
## Validation Data



Biotinylated Human CD200 R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human CD200 R1 is greater than 95% as determined by SEC-HPLC.



Immobilized Human CD200, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CD200 R1, His Tag with the EC<sub>50</sub> of 0.64µg/ml determined by ELISA.