

Recombinant Mouse Cd200r1 protein(Met1-Pro238), His&hFc-tagged

Cat. No. Cd200r1-631M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD200R1 (NP_067300.1)(Met 1-Pro 238) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-238 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-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.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Cd200r1 CD200 receptor 1 [<i>Mus musculus</i>]
Official Symbol	Cd200r1
Synonyms	CD200R1; CD200 receptor 1; cell surface glycoprotein CD200 receptor 1; Orexin receptor 2; CD200 cell surface glycoprotein receptor; cell surface glycoprotein OX2 receptor 1; antigen identified by monoclonal MRC OX-2 receptor; OX2R; Mox2r; CD200R;
Gene ID	57781
mRNA Refseq	NM_021325
Protein Refseq	NP_067300

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