A Reliable Research Partner in Life Science and Medicine

# Recombinant Human OX-2/MOX1/CD200 Protein (Fc Tag)

Catalog Number: PKSH032841

Note: Centrifuge before opening to ensure complete recovery of vial contents.

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Species Human

Source HEK293 Cells-derived Human OX-2; MOX1; CD200 protein Gln31-Gly232, with an C-

terminal Fc

Calculated MW 49.5 kDa
Observed MW 65-90 kDa
Accession P41217

**Bio-activity** Not validated for activity

### **Properties**

**Purity** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin** < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80

°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at < -20°C for 3 months.

**Shipping** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

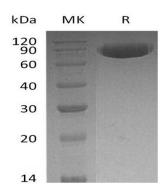
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants

before lyophilization.

Please refer to the specific buffer information in the printed manual.

**Reconstitution** Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

CD200 is a transmembrane immunoregulatory protein that belongs to the immunoglobulin superfamily. It contains one Ig like V type domain and one Ig like C2 type domain in its extracelluar domain. CD200 is widely but not ubiquitously expressed. Its receptor (CD200R) is restricted primarily to mast cells; basophils; macrophages; and dendritic cells; which suggests myeloid cell regulation as the major function of CD200. CD200 and CD200R associate via their respective N-terminal Ig-like domains. In myeloid cells; CD200R initiates inhibitory signals following receptor-ligand contact. In T cell s; CD200 functions as a co-stimulatory molecule independent of the CD28 pathway. In addition; CD200 also plays an important role in prevention of graft rejection; autoimmune diseases and spontaneous abortion.

### For Research Use Only