



Recombinant Protein Technical Manual

Recombinant Human CD200R1 Protein (Fc Tag)

RPES5045

Product Data:

Product SKU: RPES5045

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q8TD46

Protein Information:

Molecular Mass: 53.9 kDa

AP Molecular Mass: 90 kDa

Tag: C-Fc

Bio-activity:

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

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 20mM PB,150mM NaCl,pH7.4.

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

Application:

Synonyms: Cell Surface Glycoprotein CD200 Receptor 1; CD200 Cell Surface Glycoprotein Receptor; Cell Surface Glycoprotein OX2 Receptor 1; CD200R1; CD200R; CRTR2; MOX2R; OX2R

Immunogen Information:

Sequence: Ala27-Leu266

Background:

Cell surface glycoprotein CD200 Receptor 1 (CD200R1) is the receptor for the CD200 (OX-2) membrane glycoprotein. CD200R1 contains one C2- type Ig-like domain and one V-type Ig-like domain within its extracellular domain and a PTB-signaling motif in cytoplasmic domain. CD200R1 and CD200 associate via their respective N-terminal Ig-like domains. CD200R1 is restricted primarily to mast cells, basophils, macrophages, and dendritic cells. It propagates inhibitory signals despite its lacking a cytoplasmic ITIM (immunoreceptor tyrosinebased inhibitory motif). The receptor-substrate interaction may function as a myeloid downregulatory signal.