

Recombinant Mouse CD200R4/CD200RLa Protein (His Tag)

Catalog No. PKSM040571

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

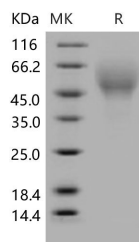
Description

Synonyms	Cd200r4;F630107N04Rik;MCD200RLa;CD200 Receptor 4
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Met 1-Thr 241
Accession	NP_997127.1
Calculated Molecular Weight	25 kDa
Observed molecular weight	50-60 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 96 % 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 sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 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



> 96 % as determined by reducing SDS-PAGE.

Background

Cell surface glycoprotein CD200 receptor 4, also known as Cell surface glycoprotein OX2 receptor 4, CD200 cell surface glycoprotein receptor-like 4, CD200RLa, and CD200R4, is a single-pass type I membrane protein which belongs to

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the CD200R family. CD200 (OX2) is a cell surface glycoprotein that interacts with a structurally related receptor (CD200R) expressed mainly on myeloid cells and is involved in regulation of macrophage and mast cell function. In mouse there are up to five genes related to CD200R with conflicting data as to whether they bind CD200. CD200R4 contains one Ig-like C2-type (immunoglobulin-like) domain and one Ig-like V-type (immunoglobulin-like) domain. CD200R4 is highly expressed in monocytes, NK cells and a subset of NKT cells. It is weakly expressed in granulocytes and B cells (at protein level). CD200R4 is also expressed in brain, lung, testis, thymus, intestine and uterus. and in bone marrow derived-macrophage and dendritic cells and mast cells. CD200R4 is involved in the recruitment or surface expression of the TYROBP receptor.