

Recombinant Mouse CD200R4/CD200RLa Protein (Fc Tag)

Catalog No. PKSM040572

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

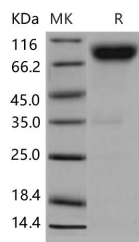
Description

| | |
|------------------------------------|--|
| 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 | 50.6 kDa |
| Observed molecular weight | 80-90 kDa |
| Tag | C-hFc |
| Bioactivity | Not validated for activity |

Properties

| | |
|-----------------------|---|
| Purity | > 94 % 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



> 94 % 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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theCD200R 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.