

Product datasheet for **TP727954**

CD200 Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant Human OX-2/MOX1/CD200 (C-Fc) |
| Species: | Human |
| Expression cDNA Clone or AA Sequence: | Gln31-Gly232 |
| Tag: | C-Fc |
| Buffer: | Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4. |
| Note: | Recombinant Human CD200 is produced by our Mammalian expression system and the target gene encoding Gln31-Gly232 is expressed with a Fc tag at the C-terminus. |
| Storage: | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Stability: | 12 months from date of despatch |
| Locus ID: | 4345 |
| UniProt ID: | P41217 |
| Synonyms: | OX-2 Membrane Glycoprotein; CD200; MOX1; MOX2 |
| Summary: | 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 extracellular 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 cells, 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. |
| Protein Families: | Transmembrane |



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