

# Recombinant Full Length Human CD200 Protein

**Cat. No.** CD200-3012HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | Human CD200 full-length ORF (AAH31103.1) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 295 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | This gene encodes a type I membrane glycoprotein containing two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. This gene is expressed by various cell types, including B cells, a subset of T cells, thymocytes, endothelial cells, and neurons. The encoded protein plays an important role in immunosuppression and regulation of anti-tumor activity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016] |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 30.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MERLVIRMPFCHLSTYSLVWVMAAVVLCTAQVQVVTQDEREQLYTPASLKCSLQNA<br>QEALIVTWQKKKAVSPENMVTFSENHGVVIQPAYKDKINITQLGLQNSTITFWNITLE<br>DEGCMCLFNTFGFGKISGTACLTVYVQPIVSLHYKFSEDHLNITCSATARPAPMVF<br>WKVPRSGIENSTVTLSHPNGTTSVTSILHIKDPKNQVGKEVICQVLHLGTVTDFKQTV<br>NKGYWFSVPLLLSIVSLVILLVLISILLYWKRHRNQDREP                                                                                                                                                                                                                       |

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| <b>Applications</b>     | Antibody Production<br>Functional Study<br>Compound Screening                                                                                                                                                                     |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                          |
| <b>Storage Buffer</b>   | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                                                                                                                                                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                   |
| <b>Gene Name</b>        | CD200 CD200 molecule [ Homo sapiens ]                                                                                                                                                                                             |
| <b>Official Symbol</b>  | CD200                                                                                                                                                                                                                             |
| <b>Synonyms</b>         | CD200; CD200 molecule; antigen identified by monoclonal MRC OX 2, CD200 antigen, MOX1, MOX2; OX-2 membrane glycoprotein; MRC; OX 2; CD200 antigen; MRC OX-2 antigen; antigen identified by monoclonal MRC OX-2; MOX1; MOX2; OX-2; |
| <b>Gene ID</b>          | 4345                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>      | NM_001004196                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>   | NP_001004196                                                                                                                                                                                                                      |
| <b>MIM</b>              | 155970                                                                                                                                                                                                                            |
| <b>UniProt ID</b>       | P41217                                                                                                                                                                                                                            |

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