

## Recombinant Human CD200R1 Protein, Fc-tagged

**Cat. No.** CD200R1-347H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD200R1, transcript variant 1, fused with Fc tag at C-terminal was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | <p>This gene encodes a receptor for the OX-2 membrane glycoprotein. Both the receptor and substrate are cell surface glycoproteins containing two immunoglobulin-like domains. This receptor is restricted to the surfaces of myeloid lineage cells and the receptor-substrate interaction may function as a myeloid downregulatory signal. Mouse studies of a related gene suggest that this interaction may control myeloid function in a tissue-specific manner. Alternative splicing of this gene results in multiple transcript variants.</p> |
| <b>Form</b>             | Lyophilized from a 0.2 M filtered solution of PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 53.9kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | AAQPNNSLMLQTSKENHALASSSLCMDEKQITQNYSKVLAEVNTSWPVKMATNAVL<br>CCPPIALRNLIIITWEIILRGQPSTCKAYKKETNETKETNCTDERITWVSRPDQNSDLQI<br>RTVAITHDGYRYRCIMVTPDGNFHRGYHLQVLVTPEVTLFQNRNRTAVCKAVAGKPA<br>AHISWIPEGDCATKQEYWSNGTVTVKSTCHWEVHNVTSTCHVSHLTGNKSLYIELL<br>PVPGAKKS AKLVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTL<br>MISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLT                                                                                                                                                                         |

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VLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQV  
SLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGSSFLYSKLTVDKSRWQQ  
GNVFSCSVMHEALHNHYTQKSLSLSPGK

**Endotoxin** Endotoxin level is <0.1 ng/g of protein (<1EU/g).

**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** [CD200R1](#) [CD200 receptor 1 \[ Homo sapiens \]](#)

**Official Symbol** [CD200R1](#)

**Synonyms** CD200R1; CD200 receptor 1; MOX2 receptor , MOX2R; cell surface glycoprotein CD200 receptor 1; CD200R; HCRT2; OX2R; MOX2 receptor; CD200 cell surface glycoprotein receptor; cell surface glycoprotein OX2 receptor 1; cell surface glycoprotein receptor CD200; MOX2R;

**Gene ID** [131450](#)

**mRNA Refseq** [NM\\_138806](#)

**Protein Refseq** [NP\\_620161](#)

**MIM** [607546](#)

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**UniProt ID**

Q8TD46

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