

Active Recombinant Human CD200 Protein, His-tagged

Cat. No. CD200-06H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant human CD200 protein (31-232 aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. |
| Species | Human |
| Source | Insect Cells |
| ProteinLength | 211 |
| Description | 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. |
| Form | Liquid |
| Bio-activity | Measured by its binding ability in a functional ELISA with Human CD200R1. |
| Molecular Mass | 23.5 kDa |
| AA Sequence | QVQVVTQDEREQLYTPASLKCSLQNAQEALIVTWQKKKAVSPENMVTFSENHGVI QPAYKDKINITQLGLQNSTITFWNITLEDGECYMCLFNTFGFGKISGTACLTVYVQPIV |

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SLHYKFSEDHLNITCSATARPAPMVFWKVPRSGIENSTVTLSHPNGTTSVTSILHIKD
PKNQVGKEVICQVLHLGTVTDFKQTVNKG

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 95% by SDS-PAGE

Applications SDS-PAGE, Bioactivity

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/mL (determined by Absorbance at 280nm)

Storage Buffer Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name [CD200 CD200 molecule \[Homo sapiens \(human\) \]](#)


Official Symbol [CD200](#)

Synonyms CD200; CD200 molecule; MRC; MOX1; MOX2; OX-2; OX-2 membrane glycoprotein; CD200 antigen; antigen identified by monoclonal antibody MRC OX-2

Gene ID [4345](#)

mRNA Refseq [NM_005944](#)

Protein Refseq [NP_005935](#)

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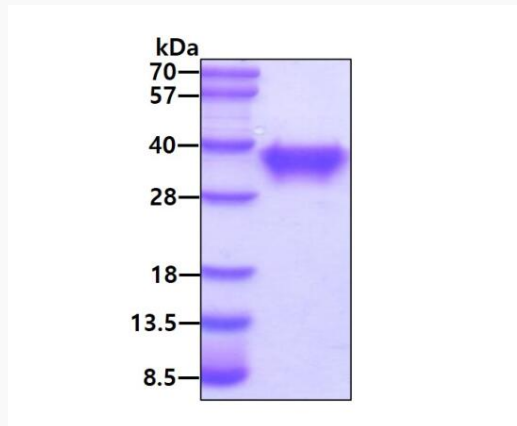
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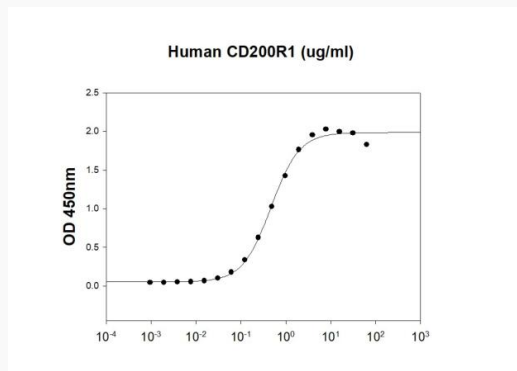
UniProt ID P41217

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

Biological Activity



CD200 Subunit is coated at 10 μ g/mL (100 μ L/well) can bind Human CD200R1 in a Functional ELISA assay.

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