

CD200R1 Protein, Human (HEK293, His)

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| Cat. No.: | HY-P72749 |
| Synonyms: | Cell surface glycoprotein CD200 receptor 1; CD200R1; CD200R; CRTR2; MOX2R; OX2R |
| Species: | Human |
| Source: | HEK293 |
| Accession: | Q8TD46 (A27-L266) |
| Gene ID: | 131450 |
| Molecular Weight: | 50-80 kDa |

PROPERTIES

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| AA Sequence | <pre> AAQPNNSLML QTSKENHALA SSSLCMDEKQ ITQNYSKVLA EVNTSWPVKM ATNAVLCCPP IALRNLIIT WEIILRGQPS CTKAYRKETN ETKETNCTDE RITWVSRPDQ NSDLQIRPVA ITHDGYRYCI MVTPDGNFHR GYHLQVLVTP EVTLFQNRNR TAVCKAVAGK PAAQISWIPE GDCATKQEYW SNGTVT VKST CHWEVHNVST VTCHVSHLTG NKSLYIELLP VPGAKKSAKL </pre> |
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose). |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | <p>CD200R1, an inhibitory receptor, acts as a pivotal modulator by binding to the CD200/OX2 cell surface glycoprotein. Its regulatory role extends to limiting inflammation through the suppression of pro-inflammatory molecules, including TNF-α, interferons, and inducible nitric oxide synthase (iNOS), in response to specific stimuli. Intriguingly, CD200R1 exhibits comparable affinity and kinetics when binding to the Human herpesvirus 8 K14 viral CD200 homolog, mirroring its interaction with the host CD200. The interaction between CD200 and CD200R1 is facilitated through their respective N-terminal Ig-like domains, emphasizing the significance of this molecular interplay. Moreover, CD200R1 engages with the</p> |
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Human herpesvirus 8 vOX2 protein, further expanding its versatile interactions in cellular processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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