

For Research Use Only

Recombinant Human CD200R1 protein (Myc Tag, His Tag)



Catalog Number: Eg0011

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
Myc Tag, His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human CD200R1 protein Ala27- Leu266(Accession# Q8TD46-4) with a Myc tag and a His tag at the C-terminus.

GeneID:

131450

Accession:

Q8TD46-4

Predicted Molecular Mass:

32.4 kDa

SDS-PAGE:

45-70 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Cell surface glycoprotein CD200 receptor 1 (CD200R1) is also named as CD200R, CRTR2, MOX2R and OX2R, and belongs to the CD200R family. CD200R1 is inhibitory receptor for the CD200/OX2 cell surface glycoprotein. CD200R1 is highly glycosylated, containing ten potential N-glycosylation sites. CD200R1 limits inflammation by inhibiting the expression of pro-inflammatory molecules including TNF-alpha, interferons, and inducible nitric oxide synthase (iNOS) in response to selected stimuli. As an immune inhibitory molecule, CD200R1 binds to CD200, ultimately leading to inhibition of classical activation of macrophages and microglia.

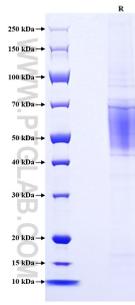
References

1. Gorczynski, Reginald et al. Journal of immunology (Baltimore, Md. : 1950) vol. 172,12 (2004): 7744-9.
2. Hernangómez, Miriam et al. Current pharmaceutical design vol. 20,29 (2014): 4707-22.

Synonyms

CD200R, CD200 receptor 1, CRTR2, MOX2R, OX2R

Selected Validation Data



Purity of Recombinant Human CD200R1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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