

Recombinant Human IL-10 R alpha/IL10RA/CD210 Protein

Catalog No.: RP01648 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3587	Q13651

Tags

C-Rabbit Fc

Synonyms

CD210; IL10R; CD210a; CDW210A;
HIL-10R; IL-10R1;IL10RA

Product Information

Source	Purification
HEK293 cells	> 92% by SDS-PAGE.

Endotoxin

<0.1EU/ μ g


Formulation

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

IL10RA (Interleukin 10 Receptor Subunit Alpha, also known as CD210) is a Protein Coding gene. The protein encoded by this gene is a receptor for interleukin 10. Two transcript variants, one protein-coding, and the other, not protein-coding have been found for this gene. CD210 belongs to the type II cytokine receptor family. This protein is structurally related to interferon receptors. It has been shown to mediate the immunosuppressive signal of interleukin 10, and thus inhibits the synthesis of proinflammatory cytokines.

Basic Information

Description

Active Recombinant Human IL-10 R alpha Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (His22-Asn235) of human IL-10 R alpha (Accession #NP_001549.2) fused with and a RaFc tag at the C-terminus.

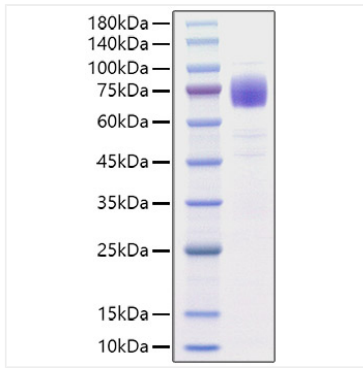
Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human IL10 (Catalog: RP00093) at 2 μ g/mL (100 μ L/well) can bind Human IL10RA (Catalog: RP01648) with a linear range of 0.1-2.9 ng/mL.

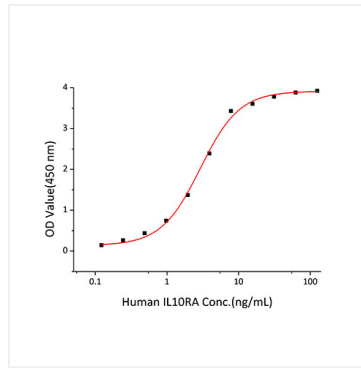
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Active Recombinant Human IL-10 R alpha Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60-80 kDa.



Immobilized Human IL10 (Catalog: RP00093) at 2 µg/mL (100 µL/well) can bind Human IL10RA (Catalog: RP01648) with a linear range of 0.1-2.9 ng/mL.