HUMAN IL10R PROTEIN, HFC TAG

Cat.#: 11651

Product Name: Human IL10R Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: CD210;CD210a;CDW210A;HIL-10R;IL-10R1;IL10RA

Target: IL10R

UNIPROT ID: Q13651

Description: Recombinant human IL10R protein with C-terminal human Fc tag

Background: The protein encoded by this gene is a receptor for interleukin 10. 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. This receptor is reported to promote survival of progenitor myeloid cells through the insulin receptor substrate-2/PI 3-kinase/AKT pathway. Activation of this receptor leads to tyrosine phosphorylation of JAK1 and TYK2 kinases. Two transcript variants, one protein-coding and the other not protein-coding, have been found for this gene. [provided by RefSeq, Jan 2009]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 50.5 kDa after removal of the signal peptide. The apparent molecular mass of IL10R-hFc is approximately 70-100 kDa due to glycosylation.

Molecular Characterization: IL10R(His22-Asn235) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

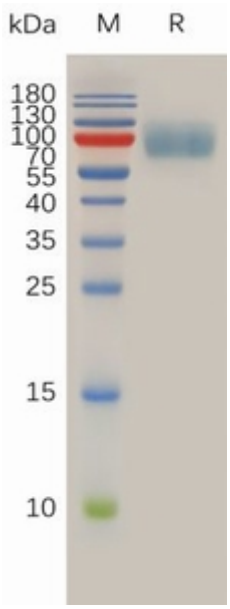

Figure 1. Human IL10R Protein, hFc Tag on SDS-PAGE under reducing condition.