PRODUCT INFORMATION

Target	IL10R
Synonyms	CD210;CD210a;CDW210A;HIL-10R;IL-10R1;IL10RA
Description	Recombinant human IL10R protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q13651
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	IL10R(His22-Asn235) hFc(Glu99-Ala330)
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.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
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]
Usage	Research use only
Conjugate	Unconjugated

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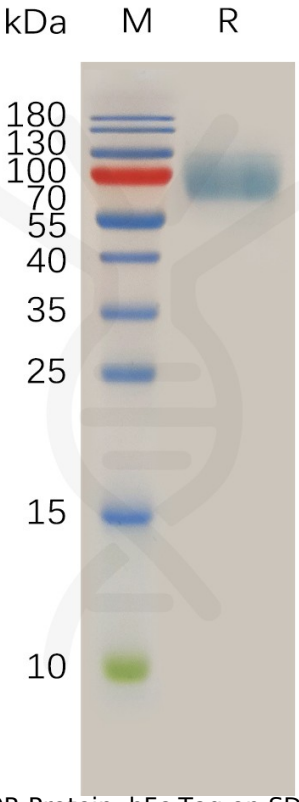


Figure 1. Human IL10R Protein, hFc Tag on SDS-PAGE under reducing condition.

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