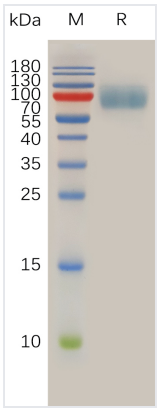
IL10R Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	IL10R, Recombinant Protein
Full Product Name	Human IL10R Protein, hFc Tag
Product Gene Name	IL10R recombinant protein
Product Synonym Names	CD210; CD210a; CDW210A; HIL-10R; IL-10R1; IL10R
Sequence	IL10R (His22-Asn 235) + hFc (Glu99-Ala 330)
Host	HEK293 cells
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose is added as protectants before lyophilization.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -80 degree C for 12 months (Avoid repeated freezing and thawing)
Molecular Weight	63,003 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (117857106..117872198). Location: 11q23
OMIM	146933
3D Structure	ModBase 3D Structure for Q13651
Origin	Human
Reconstitution	Reconstitute with deionized water
Tag	C-Human Fc
Related Product Information for IL10R recombinant protein	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]
Other Notes	Small volumes of IL10R recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL10R purchase	MBS188379 is a recombinant protein targeting IL10R. Also known as Human IL10R Protein, hFc Tag. Host: HEK293 cells.



SDS-Page of IL10R recombinant protein

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

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL10R. It may not necessarily be applicable to this product.

NCBI GI #	222136575
NCBI GeneID	3587
NCBI Accession #	NP_001549.2
UniProt Primary Accession #	Q13651
UniProt Secondary Accession #	A8K6I0; B0YJ27
UniProt Related Accession #	Q13651
GenBank Nucleotide #	NM_001558.3
NCBI Official Full Name	interleukin-10 receptor subunit alpha
NCBI Official Synonym Full Names	interleukin 10 receptor, alpha
NCBI Official Symbol	IL10RA
NCBI Official Synonym Symbols	CD210; IL10R; CD210a; CDW210A; HIL-10R; IL-10R1
UniProt Protein Name	Interleukin-10 receptor subunit alpha
UniProt Synonym Protein Names	CDw210a; Interleukin-10 receptor subunit 1
UniProt Gene Name	IL10RA
UniProt Synonym Gene Names	IL10R; IL-10 receptor subunit alpha; IL-10R subunit alpha; IL-10RA; IL-10R subunit 1; IL-10R1
UniProt Entry Name	I10R1_HUMAN
NCBI Protein Information	interleukin-10 receptor subunit alpha; IL-10RA; IL-10R subunit 1; IL-10R subunit alpha; IL-10 receptor subunit alpha; interleukin-10 receptor subunit 1; interleukin-10 receptor alpha chain

UniProt Comments for IL10R	IL10RA: a receptor for interleukin 10 structurally related to interferon receptors. Mediates 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. Protein type: Membrane protein, integral; Receptor, cytokine Chromosomal Location of Human Ortholog: 11q23 Cellular Component: plasma membrane; integral to membrane Molecular Function: signal transducer activity; protein binding; interleukin-10 binding; interleukin-10 receptor activity; receptor activity Biological Process: cytokine and chemokine mediated signaling pathway; response to lipopolysaccharide Disease: Inflammatory Bowel Disease 28, Autosomal Recessive
Research Articles on IL10R	**1.** The dynamic genome-wide transcriptional responses were nearly identical at early time points following stimulation (when STAT3 is active in response to both IL-6 and IL-10) but divergent at later times (when STAT3 is active only in response to IL-10).
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