Recombinant Human Interleukin 10 Receptor, Alpha

Cat. No. IL10RA-1648H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	Sf21 Cells
Description	Interleukin 10 receptor, alpha subunit is a subunit for the interleukin-10 receptor. IL10RA has also recently been designated CDW210A (cluster of differentiation W210A). It 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.
State Of Matter	Lyophilized.
Purity	>97% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 ɡ as determined by the LAL method.
Molecular Weight	The predicted molecular weight of Recombinant Human IL-10 sRα is Mr 24 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 32 kDa.

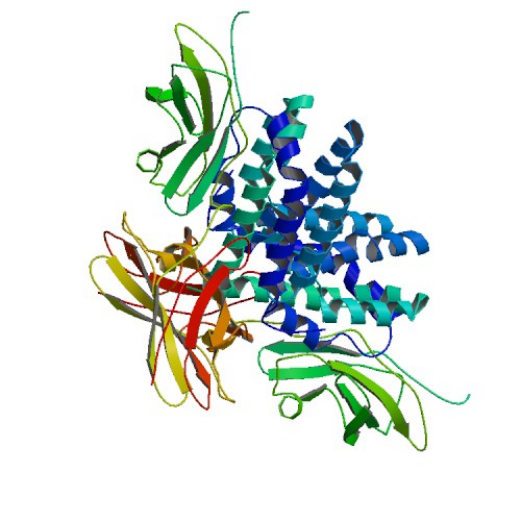
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Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

Gene Name	IL10RA interleukin 10 receptor, alpha [Homo sapiens]
Synonyms	IL10RA; interleukin 10 receptor; CDW210A; HIL-10R; IL-10R1; IL10R; interleukin-10 receptor alpha chain; interleukin 10 receptor, alpha; CDw210a antigen
Gene ID	3587
mRNA Refseq	NM_001558
Protein Refseq	NP_001549
MIM	146933
UniProt ID	Q13651
Chromosome Location	11q23
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
Function	interleukin-10 receptor binding ; protein binding; receptor activity

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PDB rendering based on 1j7v.	

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