

## Active Recombinant Human IL10RA Protein

Cat. No. IL10RA-002H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human IL10RA (His22-Asn235) protein without tag was expressed in Human embryonic kidney cell, HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	22-235 a.a.
<b>Description</b>	<p>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.</p>
<b>Bio-activity</b>	Measured by its ability to inhibit IL-10-dependent proliferation of MC/9-2 mouse mast cells. The ED50 for this effect is 0.05-0.25 µg/mL in the presence of 2 ng/mL of Recombinant Human IL-10.
<b>Molecular Mass</b>	24 kDa
<b>N-terminal Sequence</b>	His22

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<b>Analysis</b>	
<b>Endotoxin</b>	<0.10 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Preservative</b>	Reconstitute at 100 µg/mL in PBS.

## GENE INFORMATION

<b>Gene Name</b>	IL10RA interleukin 10 receptor subunit alpha [ Homo sapiens (human) ]
<b>Official Symbol</b>	IL10RA
<b>Synonyms</b>	IL10RA; interleukin 10 receptor subunit alpha; CD210; IL10R; CD210a; CDW210A; HIL-10R; IL-10R1; interleukin-10 receptor subunit alpha; IL-10 receptor subunit alpha; IL-10R subunit 1; IL-10R subunit alpha; IL-10RA; interleukin 10 receptor, alpha; interleukin-10 receptor alpha chain; interleukin-10 receptor subunit 1
<b>Gene ID</b>	3587
<b>mRNA Refseq</b>	NM_001558

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**Protein Refseq** NP\_001549

**MIM** 146933

**UniProt ID** Q13651

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