Active Recombinant Human IL10RA Protein

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

SPECIFICATION

Product Overview	Recombinant human IL10RA (His22-Asn235) protein without tag was expressed in Human embryonic kidney cell, HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	22-235 a.a.
Description	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.
Bio-activity	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.
Molecular Mass	24 kDa
N-terminal Sequence	His22

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Analysis	
Endotoxin	<0.10 EU per 1 μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	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.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Preservative	Reconstitute at 100 μg/mL in PBS.

GENE INFORMATION

Gene Name	IL10RA interleukin 10 receptor subunit alpha [Homo sapiens (human)]
Official Symbol	IL10RA
Synonyms	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
Gene ID	3587
mRNA Refseq	NM_001558

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Protein Refseq	NP_001549
MIM	146933
UniProt ID	Q13651

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