

Active Recombinant Human IL10RA Protein, His-tagged

Cat. No. IL10RA-72H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IL10Rα protein dimer contains 2 extracellular domains with a homodimer motif and a His tag at the C-terminus.
Species	Human
Source	HEK293T
ProteinLength	22-235 aa
Description	Interleukin-10 receptor alpha (IL10Rα), also known as IL-10 R1, CD210, CD210α, CDW210A, is a subunit of interleukin-10 receptor (IL10R) complex. IL10R belongs to the type II cytokine receptor family. IL10Rα is a type I integral membrane glycoprotein containing extracellular, transmembrane and intracellular domains. The extracellular domain has two immunoglobulin-like (Ig-like) C2-type domains. IL-10 cytokine dimer interacts with two IL10Rα molecules to activate the cascade signaling pathway.
Molecular Mass	101 kDa
Homodimer/Heterodimer	Homodimer
Purity	>90% dimer form as determined by SDS PAGE under non-reducing conditions.
Application	Verified Applications: ELISA for IL10Rα-specific antibody and IL10 cytokine ligand protein binding assays. Suggested Applications: SPR & BLI for

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	IL10R α -specific antibody and IL10 cytokine ligand protein binding assays.
Storage	At -80 centigrade
Storage Buffer	0.2 μ m filtered PBS, pH 7.4, no preservatives
Shipping	Frozen Dry Ice

GENE INFORMATION

Gene ID	3587
Gene Name	IL10RA interleukin 10 receptor, alpha [Homo sapiens (human)]
Official Symbol	3587
Synonyms	IL10RA; interleukin 10 receptor, alpha; IL10R; interleukin-10 receptor subunit alpha; CD210; CD210a; CDW210A; HIL 10R; 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; HIL-10R; IL-10R1;
mRNA Refseq	NM_001558
Official Symbol 2	IL10RA
Gene ID 2	3587
Gene Name 2	IL10RA interleukin 10 receptor, alpha [Homo sapiens (human)]
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Protein Refseq 2	NP_001549
MIM 2	146933
UniProt ID 2	Q13651
Bioactivity-Antibody Binding	Immobilized human IL10Rα dimer protein at 2 µg/mL (100 µL/well) can bind anti-human IL10Rα monoclonal antibody with EC50 range of 14.6-58.2 ng/mL (QC tested).
Bioactivity-Ligand Binding	Immobilized human IL10 protein at 2 µg/mL (100 µL/well) can bind IL10Rα dimer protein with EC50 range of 3.4-13.5 ng/mL (QC tested).
SDS-PAGE	MW: Molecular Weight marker reduced condition NR: IL-10Rα dimer under non-reducing condition