

Recombinant Human IL21R Protein, C-His-tagged

Cat. No. IL21R-109H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human IL21R Protein with C-His tag was expressed in E. coli.

Species Human

Source E.coli

Description

The IL-21 receptor (also designated IL-21R, NILR or novel interleukin receptor) is a type I cytokine receptor that forms a complex with the cytokine receptor γ chain, γ_c and mediates IL-21 signaling. IL-21R is present on the surface of natural killer, B and T cell populations with high levels in spleen and thymus. IL-21 and IL-21R influence lymphoid proliferation and early lymphoid development in the transition between innate and adaptive immunity. Tumor necrosis factor (TNF) upregulates IL-21R, and combinations of TNF and IL-21 can have synergistic effects on myeloma cell proliferation through pathways involving phosphorylation of JAK1, Stat3 and Erk1/2. The human IL-21R gene maps to chromosome 16p12.1 and encodes a 538 amino acid protein that is closely related to human IL2RB and shares 62% sequence identity to mouse Il21r.

Molecular Mass ~23 kDa

AA Sequence

CPDLVCYTDYLQTVICILEMWNLHPSTLTLTWQDQYEELKDEATSCSLHRSAHNATH
 ATYTCHMDVVFHFMADDIFSVNITDQSGNYSQECGSFLLAESIKPAPPFNVTVTFSGQ
 YNISWRSDYEDPAFYMLKGLQYELQYRNRGDPWAVSPRRKLISVDSRSVSLLE
 FRKDSSYELQVRAGPMPGSSYQGTWSEWSDPVIFQTQSEELKE

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Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	IL21R interleukin 21 receptor [Homo sapiens (human)]
Official Symbol	IL21R
Synonyms	IL21R; interleukin 21 receptor; interleukin-21 receptor; CD360; IL-21R; IL-21 receptor; novel interleukin receptor; NILR; MGC10967;
Gene ID	50615
mRNA Refseq	NM_021798
Protein Refseq	NP_068570
MIM	605383
UniProt ID	Q9HBE5

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