

Recombinant Human IL21R protein, His-tagged

Cat. No. IL21R-65H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL21R, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Description	IL21R, also known as Interleukin-21 receptor, belongs to the type I cytokine receptors, and has been shown to form a heterodimeric receptor complex with the common gamma-chain, a receptor subunit also shared by the receptors for interleukin 2, 4, 7, 9, and 15. This receptor transduces the growth promoting signal of IL21, and is important for the proliferation and differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3.
Source	Insect cell
Species	Human
Tag	His
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	25.6kDa (221aa)28-40kDa (SDS-PAGE under reducing conditions.)
AA Sequence	CPDLVCYTDY LQTVICILEM WNLHPSTLTL TWQDQYEEELK DEATSCSLHR SAHNATHATY TCHMDVFHFM ADDIFSVNIT DQSGNYSQECGSFLAESIK PAPPFNVTVT FSGQYNISWR SDYEDPAFYM LKGKLQYELQ YRNRGDPWAV SPRRKLISVD SRSVSLLPLE FRKDSSYELQVRAGPMPGSS YQGTWSEWSD

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	PVIFQTQSEE LKEVEHHHHH H
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>90% by SDS – PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	IL21R interleukin 21 receptor [<i>Homo sapiens</i>]
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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Chromosome Location	16p11
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;
Function	interleukin-21 receptor activity; receptor activity;