

Recombinant Human IL21R protein, His-tagged

Cat. No. IL21R-273H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL21R (Cys20-Pro236) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Cys20-Pro236
Description	Interleukin-21 receptor (IL21R) is also known as CD antigen CD360, Novel interleukin receptor (NILR), is a receptor for interleukin-21 and belongs to the type I cytokine receptor family or type 4 subfamily. IL21R contains two fibronectin type-III domains. IL21R is selectively expressed in lymphoid tissues and most highly expressed in thymus and spleen. IL21R 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.
Predicted N Terminal	Cys20
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 25.8 kDa. The protein migrates as 36-46 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>92% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

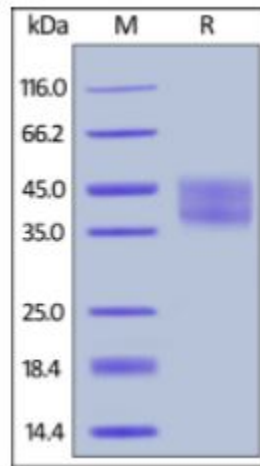
Gene Name	IL21R
Official Symbol	IL21R
Synonyms	IL21R; interleukin 21 receptor; interleukin-21 receptor; CD360; IL-21R; IL-21 receptor; novel interleukin receptor; NILR; MGC10967
Gene ID	50615
mRNA Refseq	NM_021798
Protein Refseq	NP_068570
MIM	605383
UniProt ID	Q9HBE5

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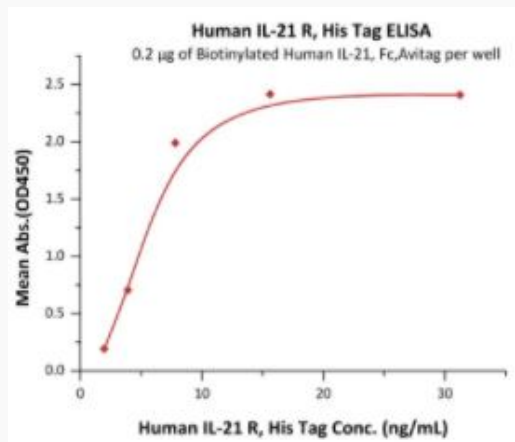
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SDS-PAGE of IL21R-273H



Human IL-21 R, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.

Bioactivity-ELISA of IL21R-273H



Immobilized Biotinylated Human IL-21, Fc,Avitag at 2 µg/mL (100 µL/well) can bind Human IL-21 R, His Tag with a linear range of 2-8 ng/mL (QC tested).

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