

Active Recombinant Human IL21R protein, hFc-tagged

Cat. No. IL21R-245H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL21R protein(NP_068570.1)(Met1-Pro236), fused with hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Pro236
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Measured by its ability to inhibit IL21-induced Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED50 for this effect is typically 40-200 ng/mL in the presence of 2 ng/mL of recombinant human IL21.2. Immobilized Recombinant Human Interleukin-21 / IL-21 Protein(Cat:GMP-10584-HNAE) at 2µg/mL (100µL/well) can bind Recombinant Human IL-21R / IL21R Protein (Fc Tag)(Cat:11483-H02H), the EC50 is 130-480 ng/mL.
Molecular Mass	The recombinant human IL21R consists of 458 amino acids and predicts a molecular mass of 52 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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 interleukin 21 receptor [Homo sapiens]
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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