

Recombinant Human IL21 protein, His-tagged

Cat. No. IL21-15H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL21 protein, fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1.Measured by its binding ability in a functional ELISA. Immobilized Human IL21R at 2 µg/mL (100 µL/well) can bind Human IL21 with a linear range of 0.078-0.973 µg/mL. 2.Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED50 for this effect is 1.52-6.06 ng/mL, corresponding to a specific activity of $1.65 \times 10^5 \sim 6.58 \times 10^5$ units/mg.
Molecular Mass	16.12 kDa
Endotoxin	< 1.0 EU/µg of the protein by LAL method.
Purity	> 95% by SDS-PAGE.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name IL21 interleukin 21 [Homo sapiens]

Official Symbol IL21

Synonyms IL21; interleukin 21; interleukin-21; IL 21; Za11; interleukin-21 isoform; IL-21;

Gene ID 59067

mRNA Refseq NM_001207006

Protein Refseq NP_001193935

MIM 605384

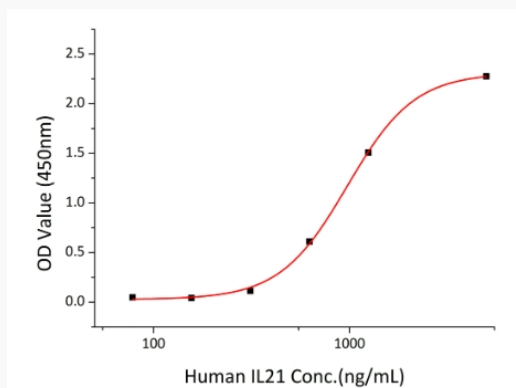
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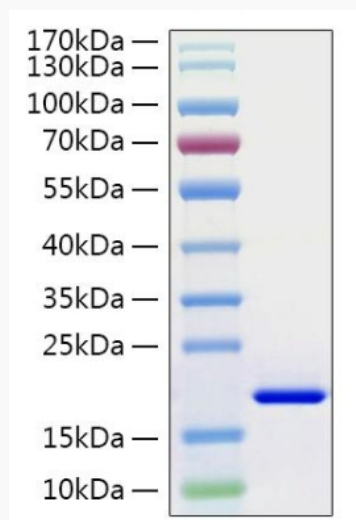
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Activity



SDS-PAGE



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