

RP02508

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Recombinant Human IL-21 Protein

Catalog No.: RP02508

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	59067	Q9HBE4

Tags

C-His

Synonyms

IL21;CVID11;IL-21;Za11

Background

Interleukin-21 (IL21) belongs to the IL-15/IL-21 family. It is a cytokine with immunoregulatory activity. Cytokines are proteinaceous signaling compounds that are major mediators of the immune response. They control many different cellular functions including proliferation, differentiation and cell survival/apoptosis but are also involved in several pathophysiological processes including viral infections and autoimmune diseases. Interleukin-21 is a cytokine that has potent regulatory effects on cells of the immune system, including natural killer (NK) cells and cytotoxic T cells that can destroy virally infected or cancerous cells. This cytokine induces cell division/proliferation in its target cells.

Basic Information

Description

Recombinant Human IL-21 Protein is produced by Escherichia coli expression system. The target protein is expressed with sequence of Human IL-21 fused with polyhistidine tag at the C-terminus

Bio-Activity

Measured by its ability to enhance IFN gamma secretion in NK-92 cells. The ED₅₀ for this effect is <10 ng/mL.

Storage

Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Product Information

Source

E. coli

Purification

> 95% by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

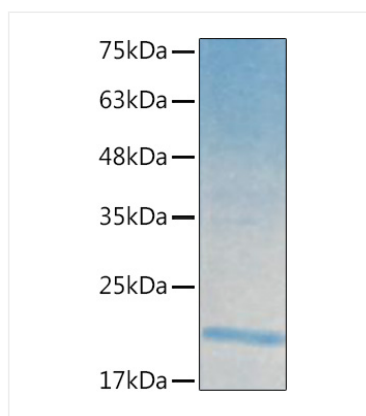
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Contact



www.abclonal.com

Validation Data



Recombinant Human IL-21 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 20 kDa.