

## General Information

### Gene Name Synonym

IL-21; Za11

### Protein Construction

A DNA sequence encoding the mature form of human IL21 isoform 1 (Q9HBE4-1) (Gln23-Ser155) was expressed and purified with an initial Met.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its ability to induced Interferon gamma secretion by human natural killer lymphoma NK-92 cells.

The ED<sub>50</sub> for this effect is 0.4-2 ng/mL.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 10 EU per mg protein as determined by the LAL method.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant human IL-21 consists of 134 amino acids and has a calculated molecular mass of 15.6 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.

2. Please contact us for any concerns or special requirements.

## Usage Guide

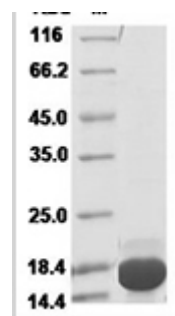
### Storage

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

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

### SDS-PAGE



Human IL21/IL-21 Protein 14105