

Human IL21 recombinant protein (Native)



Catalog Number: 514886

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 ED₅₀ 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

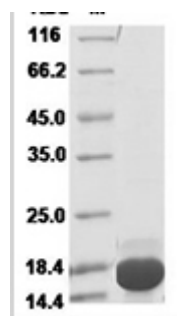
Storage

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