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## Recombinant Human IL21

**Product Number: CK02901**

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### **Characteristics:**

**Source:** Chinese Hamster Ovary cell line

**Description:** Human IL-21 (His25-Ser162)

**Accession #:** Q9HBE4

**Predicted molecular mass:** 15.9 kDa

### **Specification:**

**Appearance:** White powder, Colorless clear liquid after reconstitution

**Purity:**  $\geq 95\%$ , by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)

**Endotoxin:**  $\leq 10$  EU/mg by the LAL method

**Activity:** Measured by its ability to enhance IFN-gamma secretion in NK-92 human natural killer lymphoma cells. The ED50 for this effect is  $\leq 20$  ng/mL.

**Formulation:** Lyophilized from a 0.22  $\mu\text{m}$ -filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

**Size:** 50  $\mu\text{g}$ /vial, 1 mg/vial

### **Handling and Storage:**

**Reconstitution:** It is recommended to redissolve in sterile deionized water.

**Shipping:** The product is shipped with blue ice.

### **Storage & Stability:**

- 36 months at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  in lyophilized state
  - 6 months at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  under sterile conditions after reconstitution
  - 7-10 days at  $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$  under sterile conditions after reconstitution
- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**