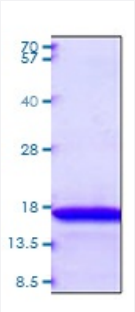
Bioactive

# IL21 (Human) Recombinant Protein

Catalog # P6966 Size 50 ug

## Applications




### Result of bioactivity analysis

Result of bioactivity analysis

IL21 (Human) Recombinant Protein stimulates IFN-g secretion of the NK-92 human natural killer cells. The ED50 range ≤ 4 ng/mL.

## Specification

| | |
|---|---|
| **Product Description** | Human IL21 (NP_068575, 30 a.a. - 162 a.a.) partial recombinant protein expressed in *Escherichia coli*. |
| **Host** | Human |
| **Theoretical MW (kDa)** | 15.5 |
| **Form** | Liquid |
| **Preparation Method** | *Escherichia coli* expression system |
| **Purity** | > 95% by SDS-PAGE |
| **Endotoxin Level** | > 1 EU per 1ug of protein (determined by LAL method) |

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| | |
|---|---|
| **Activity** | The activity is determined by the IFN-g ELISA in a using NK-92 human natural killer cells. The $ED_{50}$ range ≤ 4 ng/ml. |
| **Quality Control Testing** | 3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain. |
| **Recommend Usage** | SDS-PAGE<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.4 |
| **Storage Instruction** | Stored at 2°C to 8°C for 1 week.<br>For long term storage, aliquot and store at -20°C to -80°C.<br>Avoid repeated freezing and thawing cycles. |
| **Note** | Result of bioactivity analysis<br>Result of bioactivity analysis<br>IL21 (Human) Recombinant Protein stimulates IFN-g secretion of the NK-92 human natural killer cells . The ED50 range ≤ 4 ng/mL. |

## Applications

- SDS-PAGE

## Gene Info — IL21

| | |
|---|---|
| **Entrez GeneID** | 59067 |
| **Protein Accession#** | NP_068575 |
| **Gene Name** | IL21 |
| **Gene Alias** | IL-21, Za11 |
| **Gene Description** | interleukin 21 |
| **Omim ID** | 605384 |
| **Gene Ontology** | Hyperlink |
| **Other Designations** | interleukin-21 isoform |

## Pathway

- Cytokine-cytokine receptor interaction

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- Jak-STAT signaling pathway

## Disease

- Addison Disease
- Alopecia Areata
- Arthritis
- Asthma
- Autoimmune Diseases
- Bronchiolitis
- Carcinoma
- Celiac Disease
- Colitis
- Crohn Disease
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Hypersensitivity
- Infant
- Inflammation
- Lupus Erythematosus
- Multiple Sclerosis
- Prostatic Neoplasms
- Respiratory Syncytial Virus Infections
- Wegener Granulomatosis

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