

Bioactive

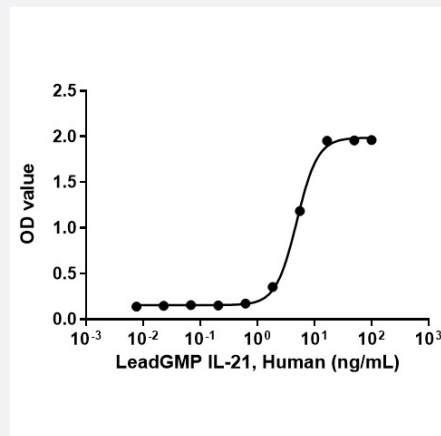
GMP Grade

IL21 (Human) Recombinant Protein

Catalog # P7001

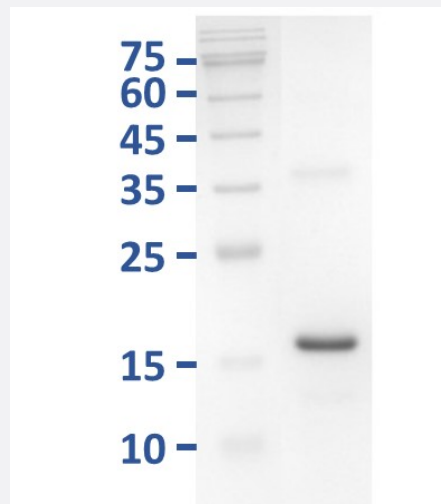
Size 100 ug

Applications



Functional Study

The ED₅₀ for this effect is <10 ng/mL, measured by the enhancement of IFN gamma secretion in NK-92 cells.



Specification

Product Description

Human IL21 recombinant protein with polyhistidine tag at the C-terminus expressed in *Escherichia coli*.

Host

Escherichia coli

Theoretical MW (kDa)	Calculated MW: 16.2
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ni-NTA chromatography
Purity	> 97% by SDS-PAGE
Endotoxin Level	< 0.05 EU/ug
Activity	The ED ₅₀ for this effect is < 10 ng/mL, measured by the enhance IFN gamma secretion in NK-92 cells.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Regulatory Status	GMP grade
Storage Buffer	Lyophilized from PBS, pH 8.0. Reconstitute the lyophilized protein in sterile H ₂ O to a concentration of at least 0.5 mg/mL and incubate the stock solution for at least 20 min to ensure sufficient redissolution. Please use the protein within one month after reconstitution.
Storage Instruction	Store at -20°C for 12 months in lyophilized state. After reconstitution with deionized water, store at -20 or -80°C for 1 month. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

The ED₅₀ for this effect is <10 ng/mL, measured by the enhancement of IFN gamma secretion in NK-92 cells.

- SDS-PAGE

Gene Info — IL21

Entrez GeneID	59067
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](#)
- [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](#)