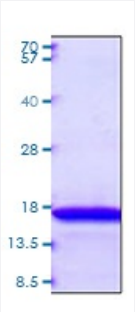
Bioactive

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 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. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.
Note	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.

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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