

Bioactive

IL21 (Human) Recombinant Protein

Catalog # P4412

Size 10 ug

Applications

Result of activity analysis

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Serial dilutions of human IL21 (starting at 50 ng/mL) were added to Mino cells. After 66 hours, cell proliferation was measured and the linear portion of the curve was used to calculate the ED50.

Specification

Product Description	Human IL21 (Q9HBE4) recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MQDRHMIRMRLIDVDQLKNYVNDLVPEFLPAPEDVETNCEWSAFSCFQKAQLKSANTGNNERII NVSIIKKLKRKPPSTNAGRRQKHRLTCPSCDSYEKKPPKEFLERFKSLLQKMIHQHLSSRTHGSED S
Host	Escherichia coli
Theoretical MW (kDa)	15.5
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Endotoxin Level	< 0.1 EU/ug
Activity	The activity is determined by the dose-dependent inhibition of Mino cells. The expected ED ₅₀ for this effect is 0.23-0.34 ng/mL.
Storage Buffer	Lyophilized from 20 mM Na ₂ PO ₄ , pH 7.5
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with sterilized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Note

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Applications

- Functional Study
- SDS-PAGE

Gene Info — IL21

Entrez GeneID [59067](#)

Protein Accession# [Q9HBE4](#)

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](#)