Bioactive

IL21 (Human) Recombinant Protein

Catalog # P4412 Size 10 ug

Applications

Result of activity analysis

Result of activity analysis

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 us used to calculate the ED50.

Specification

Product Description	Human IL21 (Q9HBE4) recombinant protein expressed in *Escherichia coli*.
Sequence	MQDRHMIRMRQLIDIVDQLKNYVNDLVPEFLPAPEDVETNCEWSAFSCFQKAQLKSANTGNNERII NVSIKKLKRKPPSTNAGRRQKHRLTCPSCDSYEKKPPKEFLERFKSLLQKMIHQHLSSRTHGSED S
Host	Escherichia coli
Theoretical MW (kDa)	15.5
Form	Lyophilized
Preparation Method	*Escherichia coli* 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	Lyopohilized from 20 mM Na_2PO_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.

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

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

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- 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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