Bioactive

IL21 (Human) Recombinant Protein

Catalog # P3634 Size 10 ug

Specification

Product Description	Human IL21 (Q9HBE4, 25 a.a. - 155 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	QDRHMIRMRQLIDIVDQLKNYVNDLVPEFLPAPEDVETNCEWSAFSCFQKAQLKSANTGNNERIIN VSIKKLKRKPPSTNAGRRQKHRLTCPSCDSYEKKPPKEFLERFKSLLQKMIHQHLSSRTHGSEDS
Host	Escherichia coli
Theoretical MW (kDa)	15
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	The ED_{50} was determined by the dose-dependent proliferation of activated B Cells.
Storage Buffer	Lyophilized from PBS, pH 7.5
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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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

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- 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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