Bioactive

IL21 (Human) Recombinant Protein

Catalog # P7157 Size 10 ug

Specification

Product Description	Human IL21 (Q9HBE4, 30 a.a. - 162 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	QGQDRHMIRMRQLIDIVDQLKNYVNDLVPEFLPAPEDVETNCEWSAFSCFQKAQLKSANTGNNE RIINVSIKKLKRKPPSTNAGRRQKHRLTCPSCDSYEKKPPKEFLERFKSLLQKMIHQHLSSRTHGS EDS
Host	Escherichia coli
Theoretical MW (kDa)	15.4
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 97% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The ED_{50} was determined by the cell proliferation assay using human N1186 T cells is < 20.0 ng/ml, corresponding to a specific activity of > 5.0×10^4 IU/mg.
Storage Buffer	Lyophilized from sterile distilled Water up to 0.1 - 1.0 mg/ml
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. 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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