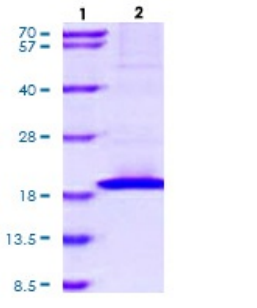
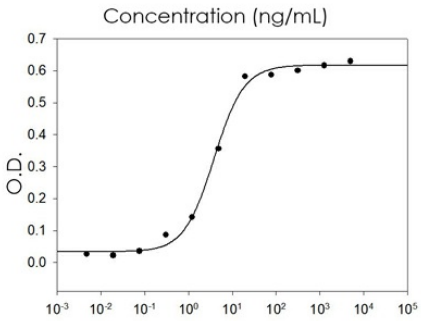
Bioactive

IL21 (Human) Recombinant Protein

Catalog # P8050 Size 100 ug

Applications





Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description	Human IL21 (Q9HBE4, 30 a.a. - 162 a.a.) partial length recombinant protein with His tag expressed in Baculovirus expression system.
Sequence	QGQDRHMIRMRQLIDIVDQLKNYVNDLVPEFLPAPEDVETNCEWSAFSCFQKAQLKSANTGNNERIINVSIKKLKRKPPSTNAGRRQKHRLTCPSCDSYEKKPPKEFLERFKSLLQKMIHQHLSSRTHGSEDS
Host	Viruses
Theoretical MW (kDa)	16.9

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Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 85% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	ED_{50} is < 10 ng/mL, determined by the IFN-g ELISA in a using NK-92 cell.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (20% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

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

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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

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