

Recombinant Human IL21, StrepII-tagged

IL21-292H Human

Lot. No. (See product label)

Specification

Product Overview	Purified, full-length human recombinant IL21 protein (amino acids 23-155, 133 a.a.) with StrepII tag, produced in human cells. Predicted molecular weight: 15.5 kDa. (Accession NP_001193935; UniProt Q9HBE4)
Description	IL21 is a member of the common-gamma chain family of cytokines with immunoregulatory activity. The encoded protein plays a role in both the innate and adaptive immune responses by inducing the differentiation, proliferation and activity of multiple target cells including macrophages, natural killer cells, B cells and cytotoxic T cells. Dysregulation of this gene plays a role in multiple immune-mediated diseases including lupus, psoriasis and chronic inflammatory diseases.
Source	Human Cells
Species	Human
Tag	StrepII
Form	Lyophilized from sterile 0.2µm filtered solution in 0.3X PBS with 10% Trehalose (carrier-free)
Protein length	23-155, 133 a.a.
AA Sequence	QQQDRHMIRMRLIDIVDQLKQNYVNDLVPEFLPAPEDVETNCEWSAFSCFQKAQLKSANTGNNE RIINVSIKKLLK RKPPSTNAGRRQKHRLTCPSCDSYEKKPPKEFLERFKSLLQKMIHQHLLSSRTHGSEDS
Endotoxin	<0.1 eu per µg protein by lal
Purity	90% by SDS-PAGE
Storage	12 months at -20°C as supplied; 1 month at 4°C after reconstitution. Avoid freeze/thaw cycles.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in PBS to a concentration of 0.1 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for up to 1 month.
Gene Information	
Gene Name	IL21 interleukin 21 [Homo sapiens]
Official Symbol	IL21
Synonyms	IL21; interleukin 21; interleukin-21; IL 21; Za11; interleukin-21 isoform; IL-21;
Gene ID	59067
mRNA Refseq	NM_001207006
Protein Refseq	NP_001193935

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MIM [605384](#)

UniProt ID [Q9HBE4](#)

**Chromosome
Location** 4q26-q27

Pathway Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;

Function cytokine activity; cytokine receptor binding; interleukin-2 receptor binding;

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45-1 Ramsey Road, Shirley, NY 11967, USA
Tel: +1-631-559-9269 Fax: +1-631-938-8127
E-mail: info@creative-biomart.com
www.creativebiomart.net