

## Active Recombinant Human IL21, HlgG1 Fc-tagged, mutant

**Cat. No.** IL21-001H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of human IL-21 (NP_068575.1) (Gln32-Ser162)(Gln145Asp,Gln150Asp) is fused to the N-terminus of the Fc region of mutant human IgG1.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	32-162 a.a.
<b>Description</b>	This gene encodes 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. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured in a cell proliferation assay using N1186 human T cells.
<b>Molecular Mass</b>	41KDa (monomer)
<b>AA Sequence</b>	(Gln32-Ser162)(Gln145Asp,Gln150Asp)

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<b>Endotoxin</b>	<0.06 eu/μg="" as="" determined="" by="" la="" test="">
<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Reconstitution</b>	Reconstitute at 100μg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## GENE INFORMATION


<b>Gene Name</b>	IL21 interleukin 21 [ Homo sapiens ]
<b>Official Symbol</b>	IL21
<b>Synonyms</b>	IL21; interleukin 21; interleukin-21; IL 21; Za11; interleukin-21 isoform; IL-21;
<b>Gene ID</b>	59067
<b>mRNA Refseq</b>	NM_001207006
<b>Protein Refseq</b>	NP_001193935
<b>MIM</b>	605384
<b>UniProt ID</b>	Q9HBE4
<b>Chromosome Location</b>	4q26-q27

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<b>Pathway</b>	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;
<b>Function</b>	cytokine activity; cytokine receptor binding; interleukin-2 receptor binding;

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