Active Recombinant Human Il21, HIgG1 Fc-tagged

Cat. No. Il21-003H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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 human IgG1was expressed in CHO cell.
Species	Human
Source	CHO
ProteinLength	32-162 a.a.
Description	This gene encodes a member of the common-gamma chain family of cytokines with immunoregulatory activity. Theencoded 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 andcytotoxic 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 isoformshave been observed for this gene.
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Measured in a cell proliferation assay using N1186 human T cells.
Molecular Mass	41KDa (monomer)
AA Sequence	(Gln32-Ser162)(Gln145Asp,Gln150Asp)

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Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	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.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

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
MIM	605384
UniProt ID	Q9HBE4
Chromosome Location	4q26-q27

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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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