

Active Recombinant Human IL21, HIgG1 Fc-tagged

Cat. No. IL21-003H **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|---|
| 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 IgG1 was 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. 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. |
| 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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