

Active Recombinant Mouse IL21, MIgG2a Fc-tagged

Cat. No. IL21-021M Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse IL-21 (NP_068554.1)(His18-Ser146) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell
Species	Mouse
Source	CHO
ProteinLength	18-146 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	43KDa (monomer)
AA Sequence	His18-Ser146

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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 [Mus musculus]
Official Symbol	IL21
Synonyms	IL21; interleukin 21; interleukin-21; IL-21;
Gene ID	60505
mRNA Refseq	NM_021782
Protein Refseq	NP_068554
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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