

Active GMP Recombinant Human IL21 Protein

Cat. No. IL21-01HG Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human IL21 protein, was expressed in CHO-K1 cell-derived in an animal component free process under cGMP guidelines.
Species	Human
Source	CHO
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 powder
Endotoxin	<20 EU/mg
Bio-activity	>2.0 x 10 ⁶ IU/mg
Purity	>95.0% by high performance liquid chromatography (SEC-HPLC) and SDS-PAGE.
Storage Buffer	10mM Phosphate-Buffered Saline (pH 7.2)

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Storage	Stable storage at 4°C for 7-10 days; for long-term storage, please store at -20°C after dispensing.
Sterility	Sterility
Instructions	It is recommended that lyophilized GMP rhIL21 be dissolved in water for injection or sterilized ultrapure water at a concentration of not less than 100 µg/ml, pending further dilution to working concentration.

GENE INFORMATION

Gene Name	IL21 interleukin 21 [Homo sapiens (human)]
Official Symbol	IL21
Synonyms	Za11; IL-21; CVID11
Gene ID	59067
mRNA Refseq	NM_001207006.3
Protein Refseq	NP_001193935.1
UniProt ID	Q9HBE4
MIM	605384

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