

Active GMP Recombinant Human IL21 Protein

Cat. No. IL21-371HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mature form of human IL21 isoform 1 (Q9HBE4-1) (Gln23-Ser155) was expressed and purified with an initial Met in an animal component free process under cGMP guidelines.
Species	Human
Source	E.coli
ProteinLength	23-155 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose, 5 % mannitol and 0.01% Tween80.
Bio-activity	Measured by its ability to induced Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED50 for this effect is 0.4-2 ng/mL.
Molecular Mass	The GMP recombinant human IL-21 consists of 134 amino acids and has a calculated molecular mass of 15.6 kDa.
Endotoxin	< 0.01 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

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

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