Active Recombinant Human IL21 Protein, Fc-Avi-tagged, Biotinylated

Cat. No. IL21-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human IL-21, Fc Tag is expressed from HEK293 cells. It contains AA Gln 23 - Ser 155 (Accession # Q9HBE4-1). This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag.
Species	Human
Source	HEK293
ProteinLength	23-155 a.a.
Predicted N Terminal	Gln 23
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Bio-activity	Immobilized Biotinylated Human IL-21, Fc Tag at 2 ug/mL (100 uL/well) can bind Human IL-21 R, His Tag with a linear range of 2-8 ug/mL.
Molecular Mass	The protein has a calculated MW of 43.9 kDa. The protein migrates as 36 kDa and 48-50 kDa under reducing condition (SDS-PAGE) due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	For long term storage, the product should be stored at lyophilized state at -20ºC or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8ºC for 12 months in lyophilized state; -70ºC for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Conjugation	Biotin

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

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UniProt ID	Q9HBE4

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