Active Recombinant Rat IL21 protein(Met1-Ser146), His-tagged

Cat. No. IL21-3378R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL21 (NP_001102413.1) (Met1-Ser146) was expressed in Insect Cells with a polyhistide tag at the C-terminus.
Species	Rat
Source	Insect Cells
ProteinLength	Met1-Ser146
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED50 for this effect is typically 2-8 ng/ml.
Molecular Mass	The recombinant rat IL21 consists of 140 amino acids and predicts a molecular mass of 16.64 KDa. It migrates as an approximately 20 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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	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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Il21 interleukin 21 [Rattus norvegicus]
Official Symbol	IL21
Synonyms	IL21; interleukin 21; interleukin-21; IL-21;
Gene ID	365769
mRNA Refseq	NM_001108943
Protein Refseq	NP_001102413

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