

Active Recombinant Rat IL21 protein, His-tagged

Cat. No. IL21-3039R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL21 protein(His18-Ser146), fused with C-terminal His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	18-146 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
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 0.45-1.8 ng/mL, corresponding to a specific activity of $5.6 \times 10^5 \sim 2.2 \times 10^6$ units/mg.
Molecular Mass	16.03 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 90% as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name IL21 interleukin 21 [*Rattus norvegicus*]

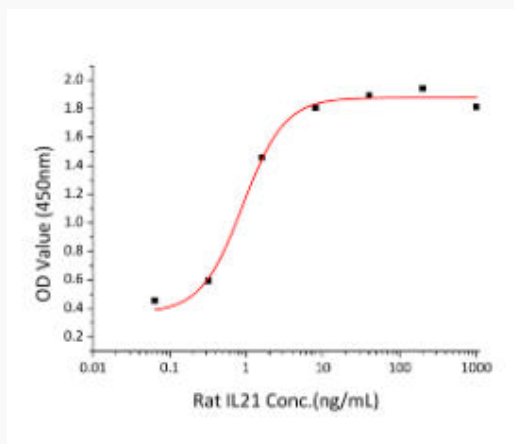
Official Symbol IL21

Synonyms IL21; interleukin 21; interleukin-21; IL-21;

Gene ID 365769

mRNA Refseq NM_001108943

Protein Refseq NP_001102413

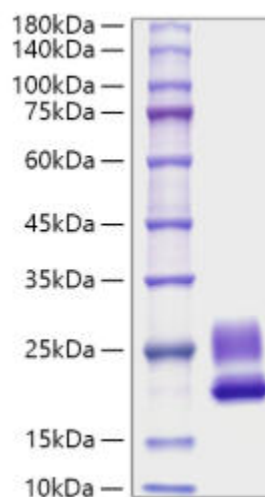
Activity


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SDS-PAGE



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