Recombinant Rat Il21 Protein, His-tagged

Cat. No. Il21-1672R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Il21 Protein (Met1-Ser146) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Ser146
Description	Predicted to enable interleukin-2 receptor binding activity. Predicted to be involved in several processes, including lymphocyte activation involved in immune response; positive regulation of immune effector process; and tyrosine phosphorylation of STAT protein. Predicted to act upstream of or within positive regulation of cytokine production; positive regulation of lymphocyte activation; and positive regulation of tyrosine phosphorylation of STAT protein. Predicted to be located in extracellular space. Biomarker of periodontal disease. Human ortholog(s) of this gene implicated in asthma; common variable immunodeficiency; hepatocellular carcinoma; and systemic lupus erythematosus. Orthologous to human IL21 (interleukin 21).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.1 kDa Accurate Molecular Mass: 21 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Il21 interleukin 21 [Rattus norvegicus (Norway rat)]
Official Symbol	Il21
Synonyms	IL21; interleukin 21; interleukin-21; IL-21;
Gene ID	365769
mRNA Refseq	NM_001108943
Protein Refseq	NP_001102413
UniProt ID	A3QPB9

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