

Recombinant Rat IL7 Protein, His-tagged

Cat. No. IL7-1684R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL7 Protein (His28-Asn151) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	His28-Asn151
Description	Predicted to enable cytokine activity and growth factor activity. Involved in cellular response to hypoxia and response to X-ray. Predicted to be located in extracellular space. Used to study high grade glioma. Biomarker of periodontal disease. Human ortholog(s) of this gene implicated in epidermodysplasia verruciformis. Orthologous to human IL7 (interleukin 7).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.1 kDa Accurate Molecular Mass: 18 kDa
Purity	> 90%
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

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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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

IL7 interleukin 7 [*Rattus norvegicus* (Norway rat)]

Official Symbol

IL7

Synonyms

IL7; interleukin 7; interleukin-7; IL-7;

Gene ID

25647

mRNA Refseq

NM_013110

Protein Refseq

NP_037242

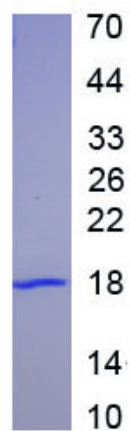
UniProt ID

Q91Y32

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