

## Recombinant Rat IL7 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat IL7 Protein (His28-Asn151) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	His28-Asn151
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 18.1 kDa Accurate Molecular Mass: 18 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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