

RP02519

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Recombinant Mouse IL-7 Protein

Catalog No.: RP02519 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
<i>E. coli</i>	16196	P10168

Tags

C-His

Synonyms

IL-7;IL-7
interleukin-7;interleukin-7;Lymphopoietin -1;PBGF; IL7

Product Information

Source	Purification
<i>E. coli</i>	≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Interleukin 7 (IL-7) is a protein that in humans is encoded by the IL7 gene. IL-7 stimulates the differentiation of multipotent (pluripotent) hematopoietic stem cells into lymphoid progenitor cells. It is important for proliferation during certain stages of B-cell maturation, T and NK cell survival, development and homeostasis.

Basic Information

Description

Recombinant Mouse IL-7 Protein is produced by Escherichia coli expression system. The target protein is expressed with sequence of Mouse IL-7 fused with polyhistidine tag at the C-terminus

Bio-Activity

Measured in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBMC). The ED₅₀ for this effect is < 0.2 ng/mL. The specific activity of recombinant mouse IL-7 is > 5 x 10⁶ IU/mg.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

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.
Avoid repeated freeze/thaw cycles.

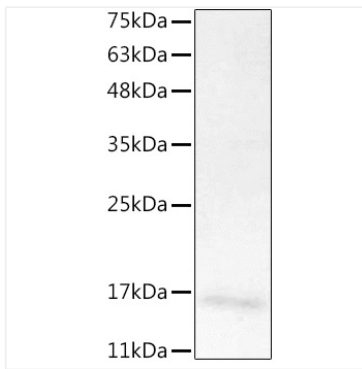
Contact



www.abclonal.com

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Validation Data



Recombinant Mouse IL-7 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.