

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Human Interleukin-7 (rHuIL-7)

Catalog Number: PR1074

Source: Escherichia coli.

Quantity: 2µg/10µg/1.0mg

Description

IL-7 is a hematopoietic growth factor which affects primarily early B and T cells. Produced by thymic stromal cells, spleen cells and keratinocytes, IL-7 can also co-stimulate the proliferation of mature T cells in combination with other factors such as ConA and IL-2.

Molecular Weight:

Approximately 17.4 kD, a single non-glycosylated polypeptide chain containing 153 amino acids.

Purity:

>95% by SDS-PAGE and HPLC analyses.

Biological Activity:

Test in process

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 7.4.

AA Sequence:

MDCDIEGKDGKQYESVLMVSI DQLLDS
MKEIGSNCLNNEFNFFKRHIC DANKEG
MFLFRAARKLRQFLKMNSTGDFDLHLL
KVSEGT TILLNCTGQVKGRKPAALGEA

QPTKSLEENKSLKEQK KLN DL C FLKRL
LQEIKT CWNKILMG TKEH

Endotoxin:

Less than 1EU/mg of rHuIL-7 as determined by LAL method.

Reconstitution:

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

Storage:

This lyophilized preparation is stable for several weeks at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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