

Recombinant Human Interleukin-7 (IL-7)

CATALOG #:	4146-10	10 µg
	4146-50	50 µg
	4146-1000	1 mg
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analysis Endotoxin level is <0.1 ng per µg of IL-7.	
MOL. WEIGHT:	17.4 kDa	
FORMULATION:	Lyophilized from a concentrated solution in water containing 1X PBS pH 7.4	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1 mg/ml, pipet up-and-down to dissolve. The solution can be diluted into other buffered solutions or stored at -20°C for future use.

STORAGE CONDITIONS:

The lyophilized IL-7 is best-stored desiccated below 0°C. Reconstituted IL-7 should be stored at working aliquots at -20°C.

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. Human and murine IL-7 is cross-species reactive. Recombinant human IL-7 is a 17.4 kDa protein containing 153 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of murine 2E8 cells is ≤0.5 ng/ml, corresponding to a specific activity of ≥2 x 10⁶ units/mg.

FOR RESEARCH USE ONLY! Not to be used on humans.

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- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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