

Recombinant Human Interleukin-6 (IL-6)

CATALOG #:	4143-20	20 µg
	4143-100	100 µg
	4143-1000	1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of IL-6.

MOL. WEIGHT: 20.9 kDa

FORMULATION: Lyophilized from 10 mg/ml solution in water.

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-0.5 mg/ml (Note: Gently shake the solution for about 10 minutes for better solubility). The solution can be diluted into other aqueous buffers and stored at 4° C for 1 week or -20° C for future use.

STORAGE CONDITIONS:

The lyophilized IL-6 is best-stored desiccated below 0° C. Reconstituted IL-6 should be stored at working aliquots at -20° C.

DESCRIPTION:

IL-6 is a potent lymphoid cell growth factor that stimulates the growth and survivability of certain B cells and T cells. Human IL-6 is a 20.9 kDa protein containing 184 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of murine hybridoma cell line B9 is ≤1-5 pg/ml, corresponding to a specific activity of ≥5 x 10⁷ units/mg.

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

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