

Active Recombinant Human IL6

Cat. No. IL6-1H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human Interleukin-6 (RECOMBINANT) is produced in genetically engineered <i>Spodoptera frugiperda</i> insect cells (Sf9) infected with recombinant viruses, and purified by sequential chromatography.
Species	Human
Source	Sf9 Cells
Description	Human Interleukin-6 (IL-6) plays a role in the mediation of the inflammatory and immune response initiated by infection or injury. IL-6 acts on B cells by stimulating differentiation and antibody secretion. IL-6 also exhibits growth factor activity for mature thymic or peripheral T cells, and enhances the differentiation of cytotoxic T cells in the presence of IL-2 or IFN γ . This glycoprotein is composed of 184 amino acid residues, and has a 42% homology with murine IL-6.
Form	Frozen liquid solution (PBS) at 0.50 mg/ml (50 μ l/vial)
Bio-activity	3H-thymidine uptake by B9 murine thymoma cell line that is IL-6 dependent.
Molecular Mass	20-21 KDa (glycoprotein)
Purity	Over 85% pure by SDS gel electrophoresis. There is < 1ng/mg="">
Stability	At least 1 year at -80°C.

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Storage Store at -80°C.

GENE INFORMATION

Gene Name IL6 interleukin 6 [Homo sapiens (human)]

Official Symbol IL6

Synonyms HGF; BSF2; HSF; IFNB2; IL-6; CDF; BSF-2; B-cell stimulatory factor 2; CTL differentiation factor; Hybridoma growth factor; Interferon beta-2; Interleukin-6 precursor; interleukin 6 (interferon, beta 2); IL6

Gene ID 3569

mRNA Refseq NM_000600

Protein Refseq NP_000591

MIM 147620

UniProt ID P05231

Chromosome Location 7p21

Pathway Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway, Prion disease, Toll-like receptor signaling pathway

Function Cytokine activity, Interleukin-6 receptor binding, Protein binding

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