

## Recombinant Human IL-6 (Interleukin -6)

<b>Catalog No.</b>	LT1691
<b>Product Name</b>	Recombinant Human IL-6 (Interleukin -6) Cartilage-inducing factor, Differentiation inhibiting factor
<b>Description</b>	Recombinant Human IL6 is a 20 to 28 kDa globular protein consisting of 212 amino acid residues. IL-6 is a pleiotropic cytokine that plays an important role in host defense by regulating immune and inflammatory responses. It stimulates B cell differentiation and antibody production, synergizes with IL-3 in megakaryocyte development and platelet production, induces expression of hepatic acute-phase proteins, and regulates bone metabolism. IL-6 signals through the IL-6 receptor system that consists of two chains, IL-6R $\alpha$ and gp130. Murine IL-6 is inactive on human cells, while both human and murine are equally active on murine cells. Recombinant Human IL-6 is a 20 to 28 kDa protein containing 212 amino acid residues. Molecular Weight: 21-23 kDa, glycosylated.
<b>Expression System</b>	Chinese Hamster Ovary cells
<b>Endotoxin Level</b>	Endotoxin Level < 1.0 EU per 1 $\mu$ g of the protein by the LAL method Sterile filtered 0.22 $\mu$ m filter in 20 mM TRIS*HCl buffer pH 7.2
<b>Biological Activity</b>	ED50 < 0.6 ng/ml, determined by the dose dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line)
<b>Amino Acid Sequence</b>	APVPPGEDSK DVAAPHRQPL TSSERIDKQI RYILDGISAL RKETCNKSNM CESSKEALAE NNLNLPKMAE KDGCFSQSGFN EETCLVKIIT GLLEFEVYLE YLQN- RFESSE EQARAVQMST KVLIQFLQKK AKNLDAITTP DPTTNASLLT KLQAQNQWLQ
<b>Storage</b>	-20°C to -80°C

