

Recombinant Chicken IL6 Protein

Cat. No. IL6-12C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken IL6 was expressed in Yeast.
Species	Chicken
Source	Yeast
Description	Interleukin-6 (IL-6) is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. It is secreted by T cells and macrophages to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. IL-6 is also produced from muscle, and is elevated in response to muscle contraction. It is significantly elevated with exercise, and precedes the appearance of other cytokines in the circulation. Osteoblasts secrete IL-6 to stimulate osteoclast formation. Smooth muscle cells in the tunica media of many blood vessels also produce IL-6 as a pro-inflammatory cytokine. The role of IL-6 as an anti-inflammatory cytokine is mediated through its inhibitory effects on TNF-alpha and IL-1, and activation of IL-1ra and IL-10.
Molecular Mass	The Chicken IL-6 recombinant protein has a predicted molecular weight of 22.0 kDa.
AA Sequence	VPLPAAADSS GEVGLIEEEAG ARRALLDCEP LARVLRDRAV QLQDEMCKKF TVCENSMEML VRNNLNLPKV TEEDGCLLAG FDEEKCLTKL SSGLFAFQTY LEFIQETFDS EKQNVESLCY STKHLAATIR QMVINPDEVV IPDSAAQKSL LANLKSDKDW IEKITMHLIL RDFTSFMEKT VRAVRYLKKT RSFSA (195)
Applications	The Chicken IL-6 endotoxin-free recombinant protein can be used in cell culture, as

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an IL-6 ELISA Standard, and as a Western Blot Control.

GENE INFORMATION

Gene Name IL6 interleukin 6 [Gallus gallus]

Official Symbol IL6

Synonyms IL-6; CHIL-6; interleukin-6

Gene ID 395337

mRNA Refseq NM_204628

Protein Refseq NP_989959

UniProt ID Q90YI0

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