

Recombinant Full Length Sheep IL6 Protein

Cat. No. IL6-01SFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Sheep IL6 Protein without tag was expressed in yeast.
Species	Sheep
Source	Yeast
Description	IL-6 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	20.4 kDa
Purity	> 98% as visualized by SDS-PAGE analysis
AA Sequence	GPLGEDFKNDTTSPSRLLLTTPEKTEALIKHIVDKISAIRKEICEKNDECENSKETLAENK LKLPKMEEKDGCFFQSGFNQAICLIKTTAGLLEYQIYLDLFLQNEFEGNQETVMELQSSI RTLIQILKEKIAGLITTPATHDTDMLEKMQSSNEWVKNKAVIIILRSLENFLQFSLRAIRMK
Endotoxin	Naturally endotoxin-free

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Applications	Cell Culture, ELISA Standard, ELISpot Control, Western Blot Control
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Storage	At -20 centigrade
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GENE INFORMATION

Gene Name	IL6 interleukin 6 [Ovis aries (sheep)]
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Official Symbol	IL6
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Synonyms	IL6; interleukin 6 (interferon, beta 2); interleukin-6; IL-6
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Gene ID	443406
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mRNA Refseq	NM_001009392
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Protein Refseq	NP_001009392
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UniProt ID	P29455
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