

## Recombinant Full Length Sheep IL6 Protein


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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Sheep IL6 Protein without tag was expressed in yeast.
<b>Species</b>	Sheep
<b>Source</b>	Yeast
<b>Description</b>	<p>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.</p> <p>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.</p>
<b>Molecular Mass</b>	20.4 kDa
<b>Purity</b>	> 98% as visualized by SDS-PAGE analysis
<b>AA Sequence</b>	<p>GPLGEDFKNDTTSPRLLLLTPEKTEALIKHIVDKISAIRKEICEKNDECENSKETLAENK            LKLPKMEEKDGCFFQSGFNQAICLIKTTAGLLEYQIYLDLQNEFEGNQETVMELQSSI            RTLIQILKEKIAGLITTPATHDMLKMQSSNEWVKNKAVIIIILRSLENFLQFSLRAIRMK</p>
<b>Endotoxin</b>	Naturally endotoxin-free

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Applications</b>	Cell Culture, ELISA Standard, ELISpot Control, Western Blot Control
---------------------	---

<b>Storage</b>	At -20 centigrade
----------------	-------------------

## GENE INFORMATION

<b>Gene Name</b>	IL6 interleukin 6 [ <i>Ovis aries</i> (sheep) ]
------------------	---

<b>Official Symbol</b>	IL6
------------------------	-----


<b>Synonyms</b>	IL6; interleukin 6 (interferon, beta 2); interleukin-6; IL-6
-----------------	--

<b>Gene ID</b>	443406
----------------	--------

<b>mRNA Refseq</b>	NM_001009392
--------------------	--------------

<b>Protein Refseq</b>	NP_001009392
-----------------------	--------------

<b>UniProt ID</b>	P29455
-------------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA