

# Product information



## Interleukin 6, 30-212 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0352

**Synonyms:** HGF, HSF, BSF2, IL-6, IFNB2

**NCBI Accession No.:** NP\_000591

**Description:** Interleukin-6, as known as IL-6, is an immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. It is also a "myokine," a cytokine produced from muscle, and is elevated in response to muscle contraction. IL-6 acts as both a pro-inflammatory and anti-inflammatory cytokine. Smooth muscle cells in the tunica media of many blood vessels also produce IL-6. It is mediated through its inhibitory effects on TNF-alpha and IL-1, and activation of IL-1ra and IL-10. Recombinant interleukin-6 was expressed in *E.coli* and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

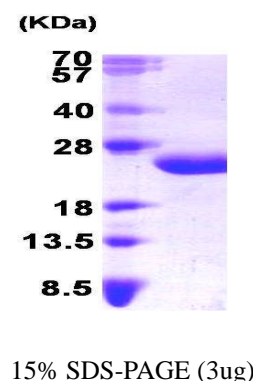
**Form:** Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol

**Molecular Weight:** 23.1 kDa (204 aa)

**Purity:** > 95% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:** < 1.0 EU per 1 µg of protein (determined by LAL method )



### Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MVPPGEDSKD VAAPHRQPLT SSERIDKQIR YILDGISALR KETCNKSNMC ESSKEALAEN NLNLPKMAEK  
DGCFSQGFNE ETCLVKIITG LLEFEVYLEY LQNRFESEEE QARAVQMSTK VLIQFLQKKA KNLDAITTPD PTTNASLLTK LQAQNWQLQD  
MTTHLILRSF KEFLQSSLRA LRQM

### General references:

Ishihara, *et al.* (2002) *Cytokine Growth Factor Rev.* 13(4-5):357-68.

Vgontzas AN, *et al.* (2005) *Neuroimmunomodulation.*12, 131-40.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

# Product information

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**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

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