

**AR09233PU-L****Human Interleukin-6 / IL6 (30-212, His-tag) - Purified**

<b>Alternate names:</b>	B-cell stimulatory factor 2, BSF-2, CDF, CTL differentiation factor, Hybridoma growth factor, IFNB2, IL-6, Interferon beta-2
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml (determined by Bradford assay)
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">P05231</a>
<b>NCBI:</b>	<a href="#">NP_000591</a>
<b>GeneID:</b>	<a href="#">3569</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >95% pure by SDS-PAGE <b>Buffer System:</b> PBS, pH 7.4, containing 10% Glycerol <b>Endotoxin Level:</b> < 1.0 EU per 1 µg of protein (determined by LAL method)
<b>Description:</b>	Recombinant interleukin-6, fused to His-tag, was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer. <b>AA Sequence:</b> MGSSHHHHHHH SSSLVPRGSH MVPPGEDSKD VAAPHRQPLT SSERIDKQIR YILDGISALR KETCNKSNMC ESSKEALAEN NLNLPKMAEK DGCFOQSGFNE ETCLVKIITG LLEFEVYLEY LQNRFESEEE QARAVQMSTK VLIQFLQKKA KNLDAITTPD PTTNASLLTK LQAQNQWLQD MTTHLILRSF KEFLQSSLRA LRQM <b>Biological Activity:</b> Measured in a cell proliferation assay using TF-1 human erythroleukemic cell. The ED50 for this effects is less or equal to 0.8 ng/ml. <b>Molecular weight:</b> 23.1 kDa (204 aa)
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Ishihara, et al. (2002) Cytokine Growth Factor Rev. 13(4-5):357-68. 2. Vgontzas AN, et al. (2005) Neuroimmunomodulation.12, 131-40.

**Pictures:**

Recombinant human Interleukin 6,  
30-212 aa, His-tagged: 15% SDS-PAGE (3  
µg)

