



## Interleukin-6, His Tag, human recombinant (rHuIL-6-His)

**Catalog No:** 95016  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** IFN-b2, B cell differentiation factor, BCDF, BSF-2, HPGF, HSF, MGI-2, B-cell stimulatory factor 2, Interferon beta-2, Hybridoma growth factor, CTL differentiation factor, CDF, IL-6, HGF

### Background

Interleukin-6 is a potent pro-inflammatory cytokine primarily produced by activated T cells and an assortment of other cells including endothelial cells and macrophages. IL-6 affects B and T lymphocytes and has been shown to have a role in host defense, acute phase reactions, immune responses and hematopoiesis.

### Description

Interleukin-6 human recombinant produced in *E. coli* is single, a non-glycosylated, polypeptide chain containing 204 amino acids (30-212) including a 20 aa N-terminal His Tag, having a total molecular mass of 23.1 kDa. IL-6 His is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered clear solution.

### Formulation

The Interleukin-6 His Tag protein (0.5 mg/ml) is supplied in phosphate buffered saline pH 7.4 and 10% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSH MVPPGEDSKD VAAPHRQPLT SSERIDKQIR YILDGISALR KETCNKSNMC ESSKEALAEN  
NLNLPKMAEK DGCFAQSGFNE ETCLVKIITG LLEFEVYLEY LQNRFESSEE QARAVQMSTK VLIQFLQKKA KNLDAITTPD  
PTTNASLLTK LQAQNQLQD MTTHLILRSF KEFLQSSLRA LRQM

### Activity

The activity was measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is ≤0.8 ng/ml.

### Usage

**This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.**

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