

## Interleukin-6, human recombinant (rHuIL-6-CHO)

**Catalog No:** 94907  
**Lot No:** XXXXX  
**Source:** CHO cells  
**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

IL-6 is a cytokine with a wide variety of biological functions: it plays an essential role in the final differentiation of b-cells into ig-secreting cells, it induces myeloma and plasmacytoma growth, it induces nerve cells differentiation, in hepatocytes it induces acute phase reactants.

### Description

Interleukin-6 human recombinant produced in CHO is a 21-23 kDa single, glycosylated polypeptide chain containing 183 amino acids.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

IL-6 is a sterile filtered (0.22 µm) solution (0.22 mg/ml) in 20 mM Tris-HCl buffer pH 7.2.

### Solubility

It is recommended to reconstitute the lyophilized Interleukin-6 in sterile 18 MΩ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized Interleukin-6, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-6 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Purity

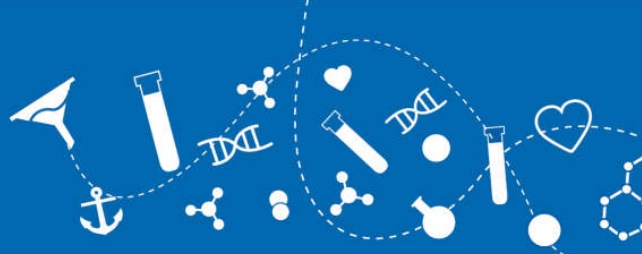
Greater than 95.0% as determined by SDS-PAGE.

### Amino Acid Sequence

VPPGEDSKDV AAPHRQPLTS SERIDKQIRY ILDGISALRK ETCNKSNMCE SKEALAENN LNLPKMAEKD GCFQSGFNEE  
TCLVKIITGL LEFEVYLEYL QNRFESSEEQ ARAVQMSTKV LIQFLQKKAK NLDAITTPDP TTNASLLTKL QAQNQWLQDM  
TTHLILRSFK EFLQSSLRAL RQM

### Activity

ED50 < 1 ng/ml. The activity was determined by the dose dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).



**Usage**

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