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## Product Data Sheet

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Product Name: IL 6 Human, CHO  
Cat. No.: GP20515  
Batch No.: 1

### Product Data

Purity >98% Source Chinese Hamster Ovarian Cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms IFN- $\beta$ 2; 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.

Amino Acid Sequence VPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISALRKETCNKSNMCESSKEALAENN

Formulation IL-6 is a sterile filtered (0.22 $\mu$ m) solution (0.22mg/ml) in 20mM Tris-HCl buffer pH 7.2.

### Introduction

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.

### Biological 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).

### 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.

### Background

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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