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## Product Data Sheet

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Product Name: IL 6 Human, HEK

Cat. No.: GP20517

Batch No.: 1

### Product Data

Purity >98%

Source HEK.

Physical Appearance solid

Shipping Condition Shipped at Room temp.

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.

Solubility It is recommended to reconstitute the lyophilized IL-6 in sterile PBS containing 0.1% endotoxin-free recombinant HSA.

Formulation The IL6 was lyophilized from 1mg/ml in 1xPBS.

### 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

The activity was determined by the dose dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) and is typically 0.2-1ng/ml.

### Stability

Lyophilized IL-6 although stable at room temperature for 3 weeks, should be stored desiccated below  $-18^{\circ}\text{C}$ . Upon reconstitution IL6 should be stored at  $4^{\circ}\text{C}$  between 2-7 days and for future use below  $-18^{\circ}\text{C}$ . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Background

IL-6 Human Recombinant produced in HEK cells is a glycosylated monomer, having a

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molecular weight range of 26-30kDa due to glycosylation. The IL6 is purified by proprietary chromatographic techniques.

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