



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet Recombinant Human Interleukin-6, CHO

**Catalog No.**  
228-10941

**Source:**  
*Chinese Hamster Ovarian 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.

### **Description:**

Interleukin-6 Human Recombinant produced in CHO is a single, glycosylated polypeptide chain containing 185 amino acids and migrates at 22 kDa as a glycosylated protein on SDS-PAGE. The IL-6 is purified by proprietary chromatographic techniques.

### **Physical Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

### **Formulation:**

Lyophilized from a solution containing Phosphate- Buffered Saline pH 7.4.

### **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.

### **Purity:**

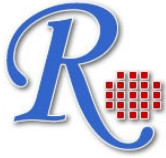
Greater than 97.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

### **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.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please prevent freeze-thaw cycles.**

### *Amino Acid Sequence*

APVPPGEDSK DVAAPHRQPL TSSERIDKQI RYILDGISAL RKETCNKSNM  
CESSKEALAE NNLNLPKMAE KDGCFQSGFN EETCLVKIIT GLLFEVYLE  
YLQNRFESSE EQARAVQMST KVLIQFLQKK AKNLDAITTP DPTTNASLLT  
KLQAQNQWLQ DMTTHLILRS FKEFLQSSLR ALRQM.

### *Biological Activity:*

The activity was measured in a cell proliferation assay using B9 cells. The ED50 for this effect is 8-20 pg/ml.

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