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# Certificate of Analysis and Data Sheet

## Recombinant Human Interleukin-6, His6-tagged

**Catalog No.**  
228-10942

**Source**  
*Escherichia Coli*

### ***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.

### ***Introduction***

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***

IL-6 Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 184 amino acids fragment (29-211) and having a total molecular mass of 25.4 kDa with an amino-terminal hexahistidine tag.

The IL-6 His is purified by proprietary chromatographic techniques.

### ***Physical Appearance***

Sterile Filtered clear solution.

### ***Formulation***

Interleukin-6 His-Tag protein is supplied in 10mM Tris HCl pH 8.0 and 50% 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.

**Please prevent freeze-thaw cycles.**

### ***Purity***

Greater than 95.0% as determined by (a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

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