

## 32-1418: rIL 6 Recombinant Protein

**Alternative Name :** IFN- $\beta$ , B cell differentiation factor (BCDF), BSF-2, HPGF, HSF, MGI-2, IL-6, Interleukin HP-1, B-cell hybridoma growth factor.

### Description

Source : Escherichia Coli. Interleukin-6 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 187 amino acids and having a molecular mass of 21732 Dalton. The IL6 is purified by proprietary chromatographic techniques. 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.

### Product Info

**Amount :** 10  $\mu$ g  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** The protein was lyophilized from 0.02% TFA.  
**Storage condition :** Lyophilized Interleukin-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.  
**Amino Acid :** The sequence of the first five N-terminal amino acids was determined and was found to be Met-Phe-Pro-Thr-Ser.

### Application Note

It is recommended to reconstitute the lyophilized Interleukin-6 with 10mM HCl at a concentration of 0.1 mg/ml which can then be further diluted to other aqueous solutions. The ED50 is less than 0.01 ng/ml as determined by dose-dependent stimulation of mouse 7TD1 cells.

