## 32-1412: IL 6 Recombinant Protein

Alternative Name 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

Source : Escherichia Coli. Interleukin-6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 184 amino acids and having a molecular mass of 21000 Dalton. The IL6 is purified by proprietary chromatographic techniques. II-6 is a cytokine with a wide variety of biological functions: it plays an essential role in the final differentiation of bcells into ig-secreting cells, it induces myeloma and plasmacytoma growth, it induces nerve cells differentiation, in hepatocytes it induces acute phase reactants.

## Product Info

## Amount :

Purification :

## Content :

## Storage condition :

Amino Acid :

## $20 \mu \mathrm{~g}$

Greater than $97.0 \%$ as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE. Lyophilized from a 0.2 um filtered concentrated ( $1 \mathrm{mg} / \mathrm{ml}$ ) solution in PBS, pH 7.4 .
Lyophilized Interleukin-6 although stable at room temperature for 3 weeks, should be stored desiccated below $-18^{\circ} \mathrm{C}$. Upon reconstitution IL6 should be stored at $4^{\circ} \mathrm{C}$ between 2-7 days and for future use below $-18^{\circ}$ C.For long term storage it is recommended to add a carrier protein ( $0.1 \%$ HSA or BSA).Please prevent freeze-thaw cycles.
The sequence of the first five N -terminal amino acids was determined and was found to be Met-Pro-Val-Pro-Pro.

## Application Note

It is recommended to reconstitute the lyophilized Interleukin-6 in sterile $18 \mathrm{M} \Omega-\mathrm{cm} \mathrm{H} 2 \mathrm{O}$ not less than $100 \mu \mathrm{~g} / \mathrm{ml}$, which can then be further diluted to other aqueous solutions. The ED50 as determined by the dose-dependant stimulation of murine 7TD1 cells is less than $0.1 \mathrm{ng} / \mathrm{ml}$, corresponding to the specific activity of $1.0 \times 10,000,000$ Units per mg .


