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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. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 97.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2um filtered concentrated (1mg/ml) solution in PBS, pH 7.4.
Storage condition :	Lyophilized Interleukin-6 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL6 should be stored at 4°C between 2-7 days and for future use below -18°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-Pro-Val-Pro-Pro.

Application Note

It is recommended to reconstitute the lyophilized Interleukin-6 in sterile 18MΩ-cm H2O not less than 100µg/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 ng/ml, corresponding to the specific activity of 1.0 x 10,000,000 Units per mg.