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32-1418: rIL 6 Recombinant Protein

Alternative Name : IFN-b2,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 µg
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°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-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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.