

Interleukin-6 Rat Recombinant

Item Number	rAP-0577
Synonyms	IFN-b2, B cell differentiation factor (BCDF), BSF-2, HPGF, HSF, MGI-2, IL-6, Interleukin HP-1, B-cell hybridoma growth factor.
Description	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.
Uniprot Accession Number	P20607
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Phe-Pro-Thr-Ser.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The protein was lyophilized from 0.02% TFA. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	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.
Biological Activity	The ED50 is less than 0.01 ng/ml as determined by dose-dependent stimulation of mouse 7TD1 cells.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**