

Interleukin-6 Mouse Recombinant

Item Number	rAP-0562
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 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 187 amino acids and having a molecular mass of 21709 Dalton. The IL-6 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P08505
Amino Acid Sequence	FPVSQVRRGD FTEDTTPNRP VYTTSQVGGI ITHVLWEIVE MRKELCNGNS DCMNDDALA EN-NLKLPEIQ RNDGCYQTY NQICLLKIS SGLLEYHSYL EYMKNNLKD NKKDKARVLQR DTETLIHIFN QEVKDLHKIV LPTPISNALL TDKLESQKEW LRTKTIQFIL KSLEEFKVT LRSTRQT.
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	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Mouse IL-6 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ as determined by the dose-dependant stimulation of the proliferation of IL-6-dependent murine 7TD1 cells is < 0.02 ng/ml, corresponding to a specific activity of > 50,000,000 units/mg.
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**